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DOUGLAS POINT NUCLEAR POWER STATION

At this station between Kincardine and Port Elgin on Lake Huron, exterior structural work neared completion in 1962. The installation of the main station equipment has begun, with the 200,000-kw unit being scheduled for service in 1965. Under an agreement between Atomic Energy of Canada Limited and The Hydro-Electric Power Commission of Ontario, the resources of the Commission's organization, including the construction forces engaged in building the project, have been made available to the Crown company. The power output of the station is to be supplied to the Commission's East System.



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The Hydro-Electric Power Commission of Ontario

Fifty-fifth
Annual Report
for the Year
1962

This Report is published pursuant to The Power Commission Act,
Revised Statutes of Ontario, 1960, Chapter 300, Section 10.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

December 1962

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1st Vice-Chairman

ROBERT J. BOYER, M.L.A.
2nd Vice-Chairman

HON. ROBERT W. MACAULAY, Q.C., M.L.A.
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LT.-COL. A. A. KENNEDY, D.S.O., E.D.
Commissioner



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Assistant General Manager
Services

C. B. C. SCOTT
Assistant General Manager
Personnel

LETTER OF TRANSMITTAL

TORONTO, ONTARIO, JUNE 20, 1963

THE HONOURABLE W. EARL ROWE

Lieutenant-Governor of Ontario

SIR:

I have the honour to present the Annual Report of The Hydro-Electric Power Commission of Ontario for the year ended December 31, 1962.

Electrical utility operations may not seem to vary greatly from year to year, and the operations of a utility as large as the Commission may appear even less subject to change than those of other utilities. However, there is reason to believe that 1962 was more than usually notable both for the number and variety of changes that occurred. New approaches to old problems and interesting approaches to new problems are the subject of comment at several points throughout the Report. I shall mention here only the more significant.

Last year I referred to the importance of the amalgamation of the Southern Ontario System and the Northern Ontario Properties, which had for its purpose improvement in the financial and administrative procedures of the Commission. We have now completed the first year under this unification and it has confirmed the wisdom of seeking a solution in this manner to problems which were becoming

increasingly complex under former procedures. For the first time, this Report records all the Commission's operations as one financial unit. Until an electrical connection is established, however, between the interconnected facilities in the eastern and southern parts of the Province and those in the Northwestern Region, it will be necessary to refer to these separate operating entities by name. They have been designated respectively as the East System and the West System.

Early in 1962 the Commission began the actual construction of the first major 500-kv line on the North American continent. In April commissioning tests were completed for the first 300-mw unit at Lakeview Generating Station, and in June the first power was delivered to the Commission's East System from the Nuclear Power Demonstration plant situated at Rolphoton on the Ottawa River.

During the early autumn the Commission participated in the initiation of one of the largest all-electric housing and apartment developments in Canada. This will be a major demonstration of all-electric living and an outstanding example of residential electric heating. The promotion of the project was co-operatively undertaken by the builder, the local electrical utility and the Commission.

These brief references indicate some of the noteworthy developments in engineering, operations, and sales promotion, which are taking place in what may seem to the casual observer to be the unchanging face of the power industry. One of the major changes is an intense and growing competition for the energy market. While welcoming the challenge of this competition from other sources of energy, the Commission seeks, by leadership and example, to develop among the associated municipal electrical utilities an increasing awareness of the need for meeting this competition by improvement in service and by an aggressive program of promotion, so that customers may fully recognize the advantages and variety of uses of electricity. Only through the success of this program can we hope to maintain the present level of rates for power.

In 1962, there was a gratifying increase in loads, revenues, and in the number of customers served. The upsurge in energy requirements that had been apparent in the second half of 1961 continued into 1962. By early spring, however, energy demands had reached a plateau from which they did not move significantly until the last quarter of the year. October saw the beginning of a growing demand again which culminated in a satisfactory 12-month growth. Increases in loads were not matched, however, by improvement in stream-flows. Indeed, flow and storage conditions were generally less satisfactory than they have been for many years. Under the circumstances the Commission's greatly expanded thermal-electric resources and the interconnections established in recent years with neighbouring utilities outside the Province proved of invaluable assistance in meeting our customers' requirements.

The power demands of the Commission's customers in December reached a peak of 6,293,000 kilowatts, showing a growth of 5.8 per cent over the 5,948,800 kilowatts of demand in 1961. The dependable peak capacity of the Commission's resources to meet this December demand was 7,087,600 kilowatts.

The net revenue from the sale of primary power and energy in 1962 was \$249.3 million as compared with \$235.7 million in 1961, for an increase of 5.8 per cent. Expenditures on capital construction during the year amounted to \$114.4 million.

The program for the construction of new sources of power included work at seven locations, two of these being nuclear-electric projects with which the Commission is associated either in conjunction with, or as prime contractor for, Atomic Energy of Canada Limited. The other five are Commission-owned projects, one thermal-electric, and four hydro-electric. The former is Lakeview Generating Station just west of Metropolitan Toronto, where the second 300-mw unit was installed during 1962.

Mr. William G. Davis retired as Second Vice-Chairman in November of 1962, and it was with regret that we lost the services of so able a commissioner, but it is gratifying to report that he has gone on to larger responsibilities as Minister of Education for the Province of Ontario. Mr. Robert J. Boyer, the Member for Muskoka in the Provincial Legislature, has been appointed to succeed Mr. Davis as Second Vice-Chairman, and it is with pleasure that my colleagues and I welcome Mr. Boyer to the Commission.

The part played by the staff of the Commission in making 1962 another year of substantial achievement is sincerely acknowledged. It is also my pleasure to record the receipt by the Commission during the past year of many commendations on the loyalty and efficiency of the staff.

Sincere acknowledgment is also made of the continuing co-operation which we have received from the members of the associated municipal commissions and their staffs in providing a province-wide electrical service.

It is only by the municipal utilities and the Provincial Commission working closely and co-operatively together that Ontario Hydro can continue to provide an efficient, low-cost, electrical service. We are grateful to the electrical manufacturers, dealers, and contractors who have also contributed to the success of this combined effort in 1962.

Respectfully submitted,

W. ROSS STRIKE,

Chairman.

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FIFTY-FIFTH ANNUAL REPORT
OF
**The Hydro-Electric Power Commission
of Ontario**

FOREWORD

THE Hydro-Electric Power Commission of Ontario is a corporate entity, a self-sustaining public enterprise endowed with broad powers with respect to electricity supply throughout the Province of Ontario. Its authority is derived from an Act of the Provincial Legislature passed in 1906 to give effect to recommendations of earlier advisory commissions that the water powers of Ontario should be conserved and developed for the benefit of the people of the Province. It now operates under The Power Commission Act (7-Edward VII, c. 19) passed in 1907 as an amplification of the Act of 1906 and subsequently modified from time to time (Revised Statutes of Ontario, 1960, c. 300, as amended). The Commission may have from three to six members, all of whom are appointed by the Lieutenant-Governor in Council. Under the Act as amended early in 1962, two Commissioners may be members of the Executive Council of the Province of Ontario.

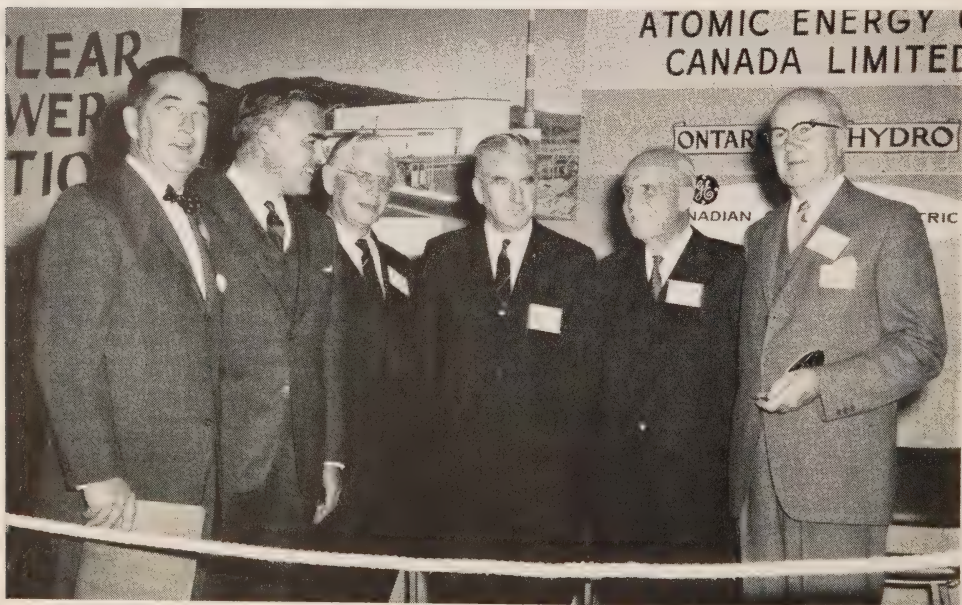
The Power Supply

By an Act of the Provincial Legislature, entitled The Power Commission's Systems Consolidation Act, 1961-62, effective January 1, 1962, the former Southern Ontario System and the former Northern Ontario Properties were amalgamated for financial and administrative purposes. These two systems, which included all of the Commission's operations, will be administered as one unit and will continue to be operated on behalf of the 354 municipalities and other Commission customers.

The Commission is primarily concerned with the provision of electric power by generation or purchase, and its delivery in bulk either for resale, chiefly by the associated municipal utilities, or for use by certain direct customers, for the most part industrial. This primary aspect of operations accounts for more than 90 per cent of the Commission's energy sales. The remaining sales are made to retail customers either in rural areas or in certain communities not served by municipal electrical utilities. Apart from this particular operation by the Commission, retail service throughout the Province is generally provided by the associated municipal electrical utilities, which are owned and operated by local commissions functioning under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act.

Under this legislation the Commission, in addition to supplying power, is required to exercise certain regulatory functions with respect to the municipal utilities served. In order to provide convenient, expeditious service in this dual function of regulation and supply, the Commission has established and now maintains an office in each of eight suitably located cities from where local administration is carried out for the eight regions into which the Province has been divided.

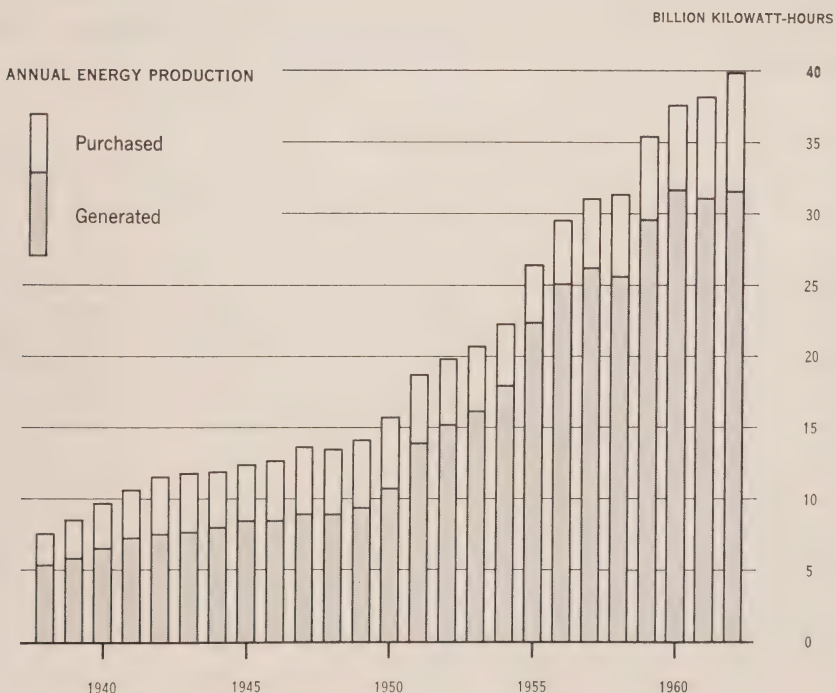
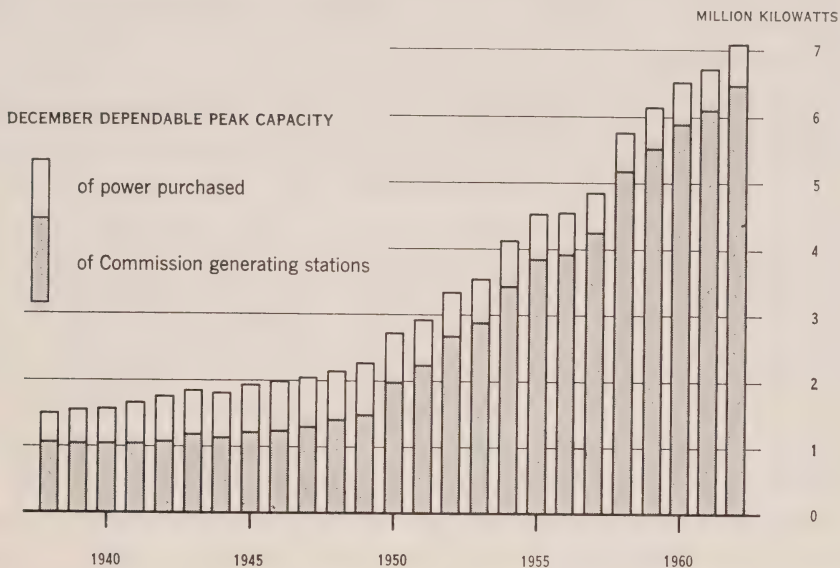
Following the amalgamation of the Southern Ontario System and the Northern Ontario Properties, the newly established East System now includes



Opening ceremonies at the Nuclear Power Demonstration plant on September 25, 1963 brought together this group of distinguished gentlemen representative of the varied agencies of government and industry interested in the project. Reading from left to right, the picture shows Mr. J. L. Gray, President of Atomic Energy of Canada Limited, Hon. John Robarts, Q.C., Prime Minister of Ontario, Hon. Leslie M. Frost, Q.C., his predecessor in that office, Mr. I. F. McRae, Chairman of the Board of Canadian General Electric Company Limited, Hon. Gordon Churchill, then Minister of Veterans Affairs, representing the Federal Government, and Mr. W. Ross Strike, Chairman of the Commission.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION



the six regions of the former Southern Ontario System and the Northeastern Region of the former Northern Ontario Properties. The newly established West System, which is not physically interconnected with the East System, coincides with the Northwestern Region of the former Northern Ontario Properties and comprises an area west of a line roughly corresponding with the boundary dividing the Thunder Bay District from the Districts of Algoma and Cochrane.

Financial Features

The basic principle governing the financial operations of the Commission and its associated municipal electrical utilities is that service is provided at cost. In the Commission's operations, cost of service includes payment for power purchased, charges for operation, maintenance, and administration, and related fixed charges. The fixed charges represent interest, an allowance for depreciation, and provision for a sinking fund for the retirement of the Commission's long-term debt. The municipal utilities operating under cost contracts with the Commission are billed throughout the year at interim rates based on estimates of the cost of service. At the end of the year, when the actual cost of service is established, the necessary balancing adjustments are made in their accounts. Retail rates for the municipal utilities are established at levels calculated to produce revenue adequate to meet cost. The Commission's retail rate structure for most rural services has been uniform throughout the Province since 1944.

The enterprise from its inception has been self-sustaining. The Province, however, guarantees the payment of principal and interest on all bonds issued by the Commission and held by the public. In addition, the Province has materially assisted the development of agriculture by contributing under The Rural Hydro-Electric Distribution Act toward the capital cost of extending rural distribution facilities.

Statistical

	1953
Dependable peak capacity, December.....	thousand kw 3,565
Primary power requirements, December.....	thousand kw 3,488
Annual energy generated and purchased.....	million kwh 20,912
Primary.....	million kwh 19,951
Secondary.....	million kwh 961
Annual energy sold by the Commission.....	million kwh 18,586*
Annual revenue of the Commission (net after refunds).....	million \$ 136
Fixed assets at cost.....	million \$ 1,355
Gross expenditure on fixed assets in year.....	million \$ 184
Total assets, less accumulated depreciation.....	million \$ 1,491
Long-term debt.....	million \$ 1,040
Transmission line.....	circuit miles 15,251
Primary rural distribution line.....	circuit miles 41,589
Average number of employees in year.....	19,242
Number of associated municipal electrical utilities.....	332
Ultimate customers served by the Commission and municipal utilities.....	thousands 1,390

Annual Summary — 1962

The Commission's net revenue from the sale of primary power and energy rose by 5.8 per cent from \$235.7 million in 1961 to \$249.3 million in 1962. Revenue from sales of secondary energy, applied as in 1961 as an offset to the cost of primary power, was down from \$2.2 million in 1961 to \$1.7 million in 1962.

Major construction work during 1962 was concentrated at Lakeview Generating Station just west of Toronto, at Otter Rapids on the Abitibi River about 60 miles northeast of Kapuskasing, and at Little Long Rapids on the Mattagami River about 42 miles north of Kapuskasing. At the sites of Harmon and Kipling Generating Stations further down stream on the Mattagami River, preparatory work on access roads and on site preparation was under way.

The first 300,000-kw unit at Lakeview Generating Station was placed in service in 1961, but commissioning tests were not completed until the spring of 1962. Unit 2 was placed in service in 1962, but until commissioning tests are completed, the unit is not considered as part of the resources available to meet peak loads. Work on the installation of Units 3 and 4 is proceeding with the expectation that they will be in service respectively in 1963 and 1964.

Power was first produced from the Nuclear Power Demonstration plant on June 4, 1962. At Douglas Point Nuclear Power Station most of the exterior construction has been completed, and the station is scheduled for service late in 1965.

Construction work for the extra-high-voltage line from its northern terminus near Abitibi Canyon Generating Station to the vicinity of Sudbury was carried on throughout the winter of 1962-63 and excellent progress was maintained.

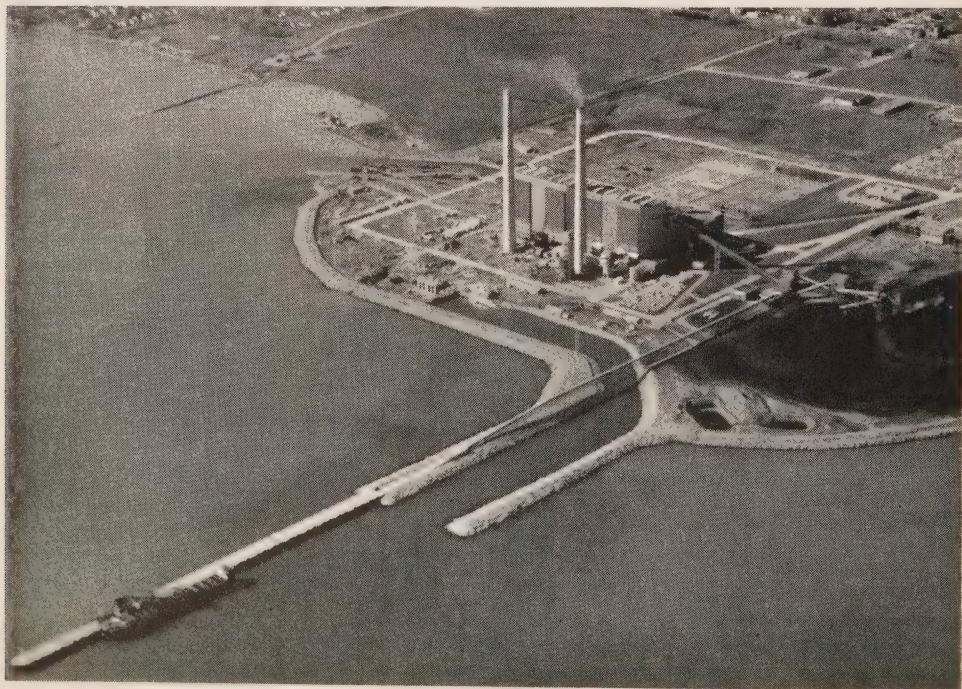
Summary 1953-62

1954	1955	1956	1957	1958	1959	1960	1961	1962
4,135	4,530	4,552	4,844	5,761	6,155	6,526	6,734	7,088
3,702	4,229	4,514	4,784	5,139	5,556	5,746	5,949	6,293
22,386	26,555	29,523	31,101	31,450	35,465	37,709	38,212	39,885
20,788	23,258	25,537	27,405	28,382	31,546	32,717	33,861	35,783
1,598	3,297	3,986	3,696	3,068	3,919	4,992	4,351	4,102
19,909*	23,888*	26,802*	28,288*	28,599*	32,073*	34,317	34,807	36,684
143	162	183	197	198	213	229	236	249
1,469	1,573	1,733	1,931	2,108	2,248	2,361	2,462	2,567
133	115	173	209	191	154	132	124	114
1,653	1,788	2,011	2,255	2,421	2,548	2,660	2,780	2,702
1,162	1,209	1,392	1,573	1,692	1,786	1,844	1,918	1,938
15,785	16,115	16,489	16,717	17,499	17,713	17,831	17,971	18,120
42,540	43,851	44,492	45,375	46,438	47,351	47,896	48,068	48,562
18,750	17,278	18,075	19,597	17,701	15,866	15,179	15,097	14,920
338	343	350	351	354	354	354	354	355
1,467	1,540	1,612	1,674	1,757	1,830	1,881	1,939	1,991

*Revised

GUIDE TO THE REPORT

Details of the Commission's activities which have been briefly summarized in the foregoing paragraphs are given in the six sections and four appendices of the Report which follow. Operations, finance, and customer relations are the subjects of the first three sections and their related appendices. The narrative in Section I dealing with the production, purchase, and delivery of power is supplemented in the text by reports of weather conditions, maintenance, communications, and forestry, all of which are related to operations. Supplementary tables are in Appendix I. Section II includes the Commission's Balance Sheet, Statement of Operations, and a Summary of the Allocation of the Cost of Primary Power. In Appendix II are supporting schedules and accounts, including the statements of municipal sinking fund equities and of the allocation of the cost of primary power to municipalities. In Section III, consideration is given to various aspects of marketing and of service to the three main groups of the Commission's customers. Supplementary information on rural service is to be found in Appendix III. Another subsection of Section III, in the form of reports from the regions, deals with certain activities relative to service in municipal utilities. Many of these activities have involved participation by, or the assistance of, members of the Commission's staff.



LAKEVIEW GENERATING STATION NEAR TORONTO — This aerial view shows the general appearance of the station as completed for four units. A coal freighter lies alongside the dock. The coal conveyor throws a shadow across the intake channel as the equipment rises from beneath the dock to the top of the coal pile at the right.

Engineering and construction activities are discussed in Sections IV and V. Section IV deals with the planning and construction of facilities for the delivery of power. It includes descriptions of the more important construction projects and statistics relative to these and other facilities for the generation, transformation, and delivery of power. Section V contains reports on the progress of some of the investigations being conducted by members of the Commission's Research Division.

Section VI deals with aspects of employee relations, training, and staff administration. Appendix IV lists Orders in Council, and records legislation pertaining to the Commission's affairs.

A large part of the Report is devoted to aspects of retail service to ultimate customers, especially that provided by the municipal electrical utilities. The commentary on these activities and the statistical tables applicable to them are brought together in a supplement to the Report entitled *Municipal Electrical Service* beginning on page 155. The complete municipal service supplement includes four statements: (1) Statement "A"—balance sheets, (2) Statement "B"—operating statements, (3) Statement "C"—rates, and (4) Statement "D"—other statistical information relating to the municipal systems. As the retail service provided by the Commission in certain municipalities not served by municipal electrical utilities is in all other respects comparable with that provided by the utilities, these municipalities are included in the statistical summaries in the municipal supplement and are also listed in Statements "C" and "D".

SECTION I

OPERATION OF THE SYSTEMS

THE rate of growth in energy requirements in Ontario that had reflected the recovery in the national economy during 1961 continued into the early part of 1962. Cold weather in January and February was also a contributing factor to this rate of growth. By March, growth showed signs of levelling off though requirements continued to move upward to new levels. A return to a sharper rate in the last quarter was again due in large part to a prolonged period of cold weather in southern Ontario.

The total primary peak demand on the Commission's resources in December was 6,292,951 kilowatts, representing an increase of 5.8 per cent over that in 1961.

The total annual output of the resources available to the Commission was 39.9 billion kilowatt-hours in 1962, 4.4 per cent greater than the 1961 output. Of the 1962 total, 31.6 billion kilowatt-hours were generated by the Commission, and 8.3 billion kilowatt-hours were purchased, up 1.6 per cent and 16.7 per cent respectively over 1961 levels. As compared with 1961 figures, the Commission's total hydro-electric production, at 27.9 billion kilowatt-hours in 1962, showed a decrease of 8.7 per cent, while total thermal-electric production, at 3.7 billion kilowatt-hours, showed a more than sevenfold increase.

The sharp increase in thermal-electric production was largely a result of unusually low water resources in the Commission's East System, particularly during the second half of the year. Increased costs of operation follow from the greater use of coal, but a compensating feature of the extensive use of thermal-electric generation during this period was a significant reduction in transmission

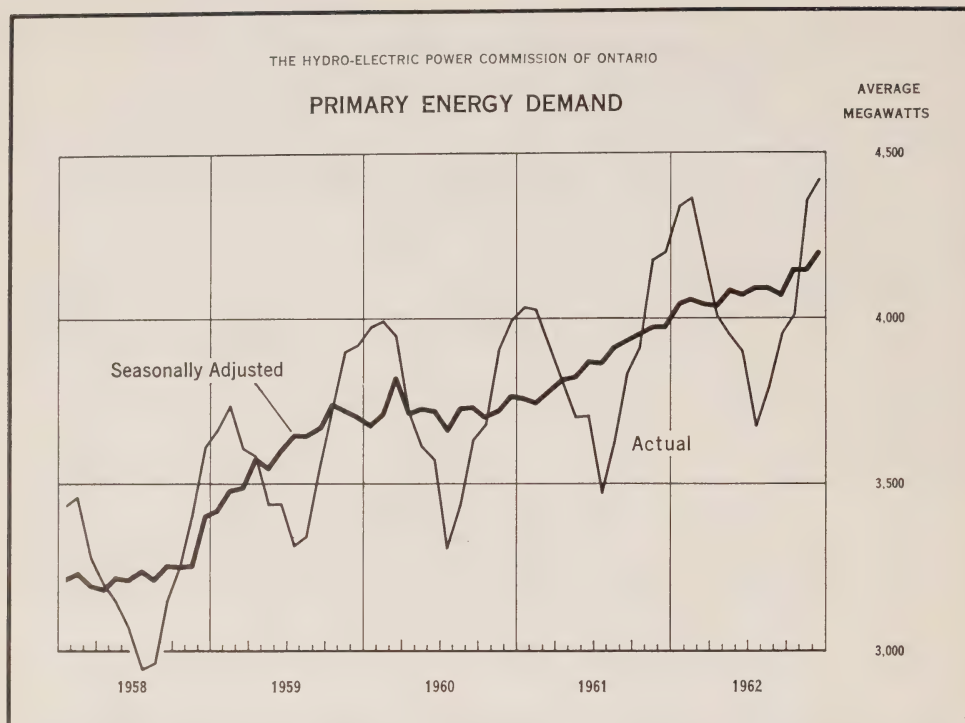
POWER SUPPLY STATISTICS—1962

(Figures for 1961 and Per Cent Change in Italic Type)

		East System	West System	Total
Resources				
Dependable peak capacity				
—December	kw	6,494,050	593,500	7,087,550
	kw	6,137,250	596,500	6,733,750
		5.8%	—0.5%	5.3%
Requirements				
PRIMARY				
Peak—Annual maximum	kw	5,857,241	435,710	6,292,951*
	kw	5,526,399	425,270	5,948,817*
		6.0%	2.5%	5.8%
Energy—Total annual	kwh	33,030,472,307	2,752,225,157	35,782,697,464
	kwh	31,171,682,325	2,690,057,520	33,861,739,845
		6.0%	2.3%	5.7%
Loads				
PRIMARY AND SECONDARY				
Energy—Total annual	kwh	36,474,021,231	3,410,476,333	39,884,497,564
	kwh	34,719,031,407	3,493,221,800	38,212,253,207
		5.1%	—2.4%	4.4%
PRIMARY ONLY				
Energy—For use in Ontario	kwh	32,736,694,707	2,752,225,157	35,488,919,864
	kwh	30,879,604,125	2,689,678,320	33,569,282,445
		6.0%	2.3%	5.7%
—Total annual	kwh	33,030,430,007	2,752,225,157	35,782,655,164
	kwh	31,171,682,325	2,689,678,320	33,861,360,645
		6.0%	2.3%	5.7%

*This annual maximum is the arithmetic sum of the December coincident peaks for each system.

losses. This reduction is attributable to the fact that the Commission's thermal-electric stations are located close to the major load centres, while its hydro-electric stations are generally far removed from these centres. During the second half of 1962, therefore, large amounts of power were transmitted over much shorter distances than usual, with a consequent reduction in power losses during transmission. System peak demands are measured not in terms of the power actually delivered, but in terms of the generation required. Because of the reduction in power losses between the point of generation and the point of delivery, these peak demands fell short of expected levels during the latter half of the year. On the other hand, customers' loads, which are measured at the point of delivery, performed throughout the year very much as expected.



COMBINED SYSTEMS ENERGY DEMAND SEASONALLY ADJUSTED—The heavy black seasonally adjusted curve is a more readily interpreted and continuous indication of variation in the rate of growth than the actual curve, since the former is freed of the fluctuations associated with the seasons. The scale is a measure of energy demand per hour. The figure plotted for any month is the number of megawatt-hours (thousands of kilowatt-hours) divided by the number of hours in the month. It follows that any figure plotted, when multiplied by the number of hours in the year, would give the annual rate of energy demand at that point in time. The ratio of primary energy demand of between 4,000 and 4,250 average megawatts to the total primary peak demand of more than 7,087 megawatts is the Commission's annual load factor in 1962.

The dependable peak capacity of the Commission's resources available to meet requirements in December 1962 was 7,087,550 kilowatts, 5.3 per cent more than the 6,733,750 kilowatts available in 1961. The increase is due mainly to the inclusion in the 1962 total of the capacity of the first unit at Lakeview Generating Station. This unit began operating in 1961 but was not accepted for commercial service until April 1962. Additional capacity also resulted from recalculation of certain dependable capacities, the most significant being those of units at Richard L. Hearn and J. Clark Keith Generating Stations. Three other generating units delivered power to the Commission's systems for the first time during 1962. One of these was the second unit at Lakeview Generating Station which began operating in September but was still undergoing commissioning tests at the end of the year. The second was the 100,000-kilowatt unit at Thunder Bay Generating Station in Fort William. Malfunctions in the boiler and turbine of this unit became apparent during tests, and the unit is not now expected to be ready for service until the fall of 1963. The third was the 20,000-kilowatt unit at the Nuclear Power Demonstration plant which began producing power in June 1962. However, this unit, as an experimental installation, is not yet considered as a source of dependable capacity.

Stream-Flow and Storage Conditions

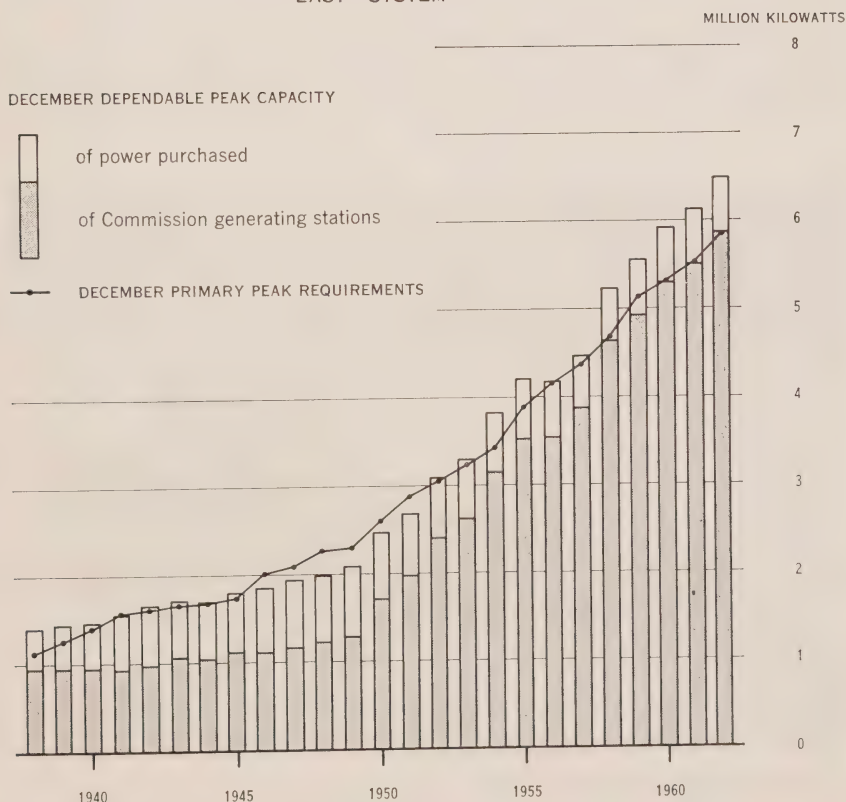
A severe water shortage prevailed in the East System during the second half of 1962. The output of the Niagara River stations was reduced. Flow on the major rivers was down, 11 per cent below the mean for the past ten years on the Niagara, 15 per cent below on the St. Lawrence, and 22 per cent below on the Ottawa, where the drought of the summer continued until freeze-up, resulting in some of the lowest flows on record. There were spring and fall rains on the Abitibi River watershed resulting in favourable storage, but below-normal run-off and a high rate of evaporation in the last quarter rapidly depleted storage. At the end of the year usable storage, exclusive of the Great Lakes, was only 53 per cent of normal.

In the West System, there was little precipitation during the winter months, and at the end of March, snow cover was generally below normal and the total volume of usable storage was much below normal. However, heavy rains

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

POWER DEMANDS AND RESOURCES

EAST SYSTEM



beginning in May and continuing through the summer months brought an end to the near-drought conditions that had prevailed since 1956, and resulted at the end of 1962 in slightly above normal storage conditions. In order to maintain lake levels at or near normal seasonal elevations, large amounts of water were discharged from the Lake of the Woods during May and June, and from Lake St. Joseph and Lac Seul during September and October.

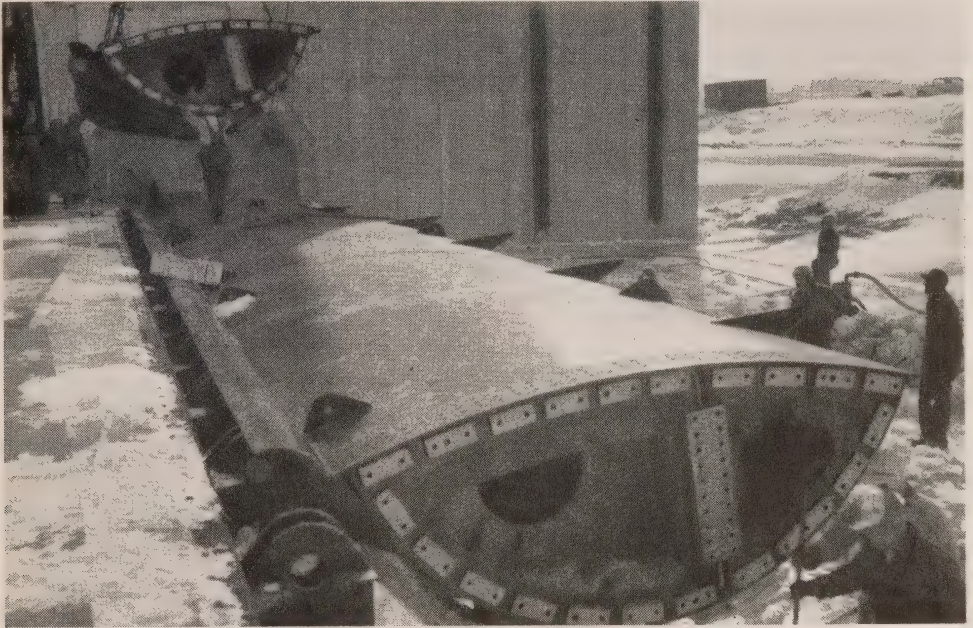
Operations

The acute shortage of water that prevailed from early spring until winter in the Commission's East System was a major factor in the 1962 operations. The Commission's Quebec suppliers were also affected by the water shortage and the supply of energy from The Gatineau Power Company was substantially reduced during the last few months of the year. Although the amount of economy energy available from the Quebec Hydro-Electric Commission declined, delivery was maintained at a relatively high level.

Early in November, the shortage of water affecting the Northern Quebec Power Company became so acute that the Company requested assistance from the Commission in the form of 25-cycle energy delivered over the Kirkland Lake-Rouyn tie-line. At first the plan was to make use of the tie-line for this purpose only every second week, and to use it in the alternate weeks for the transmission of surplus 60-cycle energy still available from the Quebec Hydro-Electric Commission. The Company's water resources, however, continued to deteriorate, and the tie-line was required for the delivery of 25-cycle energy to the Company continuously from November 23 until the end of the year.



ICE BREAKER NIAGARA QUEEN IN ACTION — The Commission-owned *Niagara Queen*, like her counterpart owned by the Power Authority of the State of New York, was at times engaged 24 hours a day during the winter of 1962-3 in dispersing ice in the upper Niagara River.



NIAGARA RIVER REMEDIAL WORKS — One of the five drum-gate sections is shown in position, and a second is being placed in one of the 100-foot sluices in the extension of the control dam.

In order to meet demands for power in the East System under these conditions, the Commission was required to make much more extensive use of energy generated at thermal-electric stations. From September to December, when there was a seasonal increase in demands for power, thermal-electric facilities provided 25 per cent of the energy generated in the Commission's former Southern Ontario System, and in addition energy was purchased from neighbouring utilities in the United States.

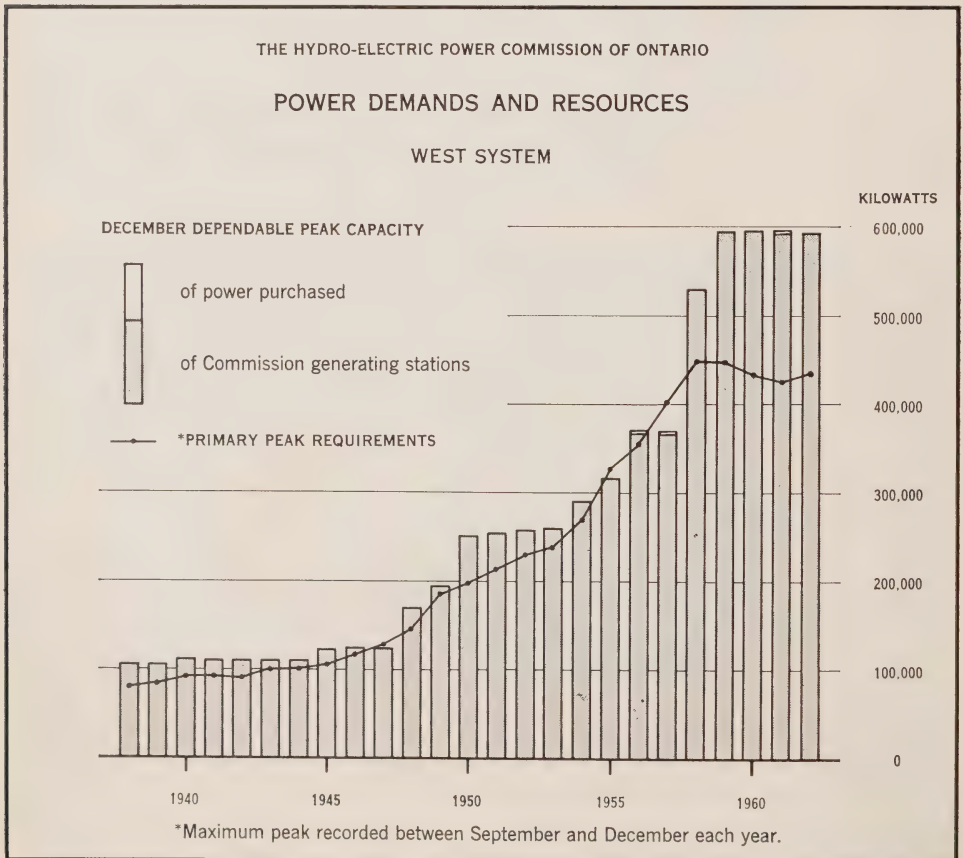
These purchases, and particularly the more extensive use of thermal-electric facilities, resulted in a substantial increase in operating costs over levels foreseen at the beginning of the year. By way of illustration, in December 1961 total coal requirements for 1962 were estimated at slightly more than half a million tons, while the actual consumption during the year was approximately 1.5 million tons.

Ice accumulation in the Niagara River caused difficulty in the early weeks of the year. A heavy run of ice which began on January 10 caused the output of the Robert Moses Niagara Power Plant of the Power Authority of the State of New York to be curtailed by varying amounts during the next three weeks. Attempts to dislodge the ice jam by alternately raising the level of the Grass Island Pool and then substantially increasing the flow past the control structure were only partly successful. Ice runs on the Canadian side of the river were also severe at times. Some loss of generation was experienced when attempts were made to flush the ice away and when small blockages occurred at the Sir Adam Beck-Niagara Generating Station intakes.

The extension to the Chippawa-Grass Island Control Dam, and other remedial works on the Niagara River, now nearing completion, are expected to contribute to improved control of ice on the river up stream from the falls. To ensure as far as possible that such conditions would not recur, the Commission and the Power Authority have each carried out additional dredging programs to remove high spots on the river bottom that tend to restrict the movement of ice. In order to provide additional insurance against the serious effects of ice jams in the upper river, each has purchased a small ice breaker to be used in dispersing such accumulations of ice as may occur.

In the Commission's West System, the improvement in water resources in 1962 accentuated a problem of several years' standing—that of disposing of surplus hydro-electric energy available to this System. Since water resources also improved in Manitoba during 1962, both the sale of surplus energy to that province and the credit for power produced in Manitoba from water diverted from Lake St. Joseph were reduced below 1961 levels.

In order to develop a market for this surplus energy, the Commission began early in 1961 to offer it to industrial customers as economical replacement for the output of their own steam turbines. By the end of 1962, agreements for



sales on this basis had been concluded with several major pulp and paper companies, thus assuring a market for a large part of the surplus energy available in the System.

Electricity produced from nuclear energy was delivered to Canadian customers for the first time on June 4, 1962 when the 20,000-kilowatt unit at the Nuclear Power Demonstration plant, in parallel with the Commission's East System, attained a load of 5,000 kilowatts. It attained maximum output for the first time on June 28. This pilot nuclear power station is the first in the world to use the combination of natural uranium as a fuel in a reactor moderated and cooled by heavy water.

A major step in the interconnection of power systems took place on November 1, 1962 when the Canada-United States Eastern Interconnected Group (CANUSE), of which the Commission's East System forms a part, and the Pennsylvania-New Jersey-Maryland Group (PJM), with which CANUSE is normally in parallel, were tied in with the Interconnected Systems Group (ISG). ISG operates in the area to the south and west of the other two groups. The newly expanded interconnected system extends from the James Bay watershed to the Gulf of Mexico, and from the east coast of the United States to the State of Montana. As at December 1962, the combined peak load of the interconnected utilities was in the order of 117 million kilowatts.

MAINTENANCE OF THE SYSTEMS

Forestry

There are indications that Dutch elm disease is spreading to regions that have been heretofore free from its ravages. Its effects are particularly noticeable in the number of dead and dying trees in the East Central Region.

Normal tree pruning and tree removal were carried out on nearly 13,000 miles of transmission and distribution line, and approximately 42,000 acres of right of way were chemically treated for brush control, nearly 10 per cent by helicopter spraying. On the other hand, the Commission's continuing resource conservation program involved extensive tree planting on properties that particularly lend themselves to reforestation, for example in areas adjacent to hydro-electric generating station projects. The average planting over the past 14 years has ranged around 100,000 seedling trees a year. Of the acreage available for this type of treatment, nearly 80 per cent has now been reforested.

Electrical Maintenance

Reductions in maintenance expenditures have resulted from the more extensive use of on-site repairs on major transformers, and from the detection of incipient faults at the time of routine maintenance inspection. These reductions are one of the benefits of improved trades training among the staff. Preventive maintenance in the testing of over 450 lightning arresters disclosed that 81 units were defective or of doubtful reliability. The failure of five 115-kv

lightning arresters and of one 46-kv lightning arrester was reported during the year.

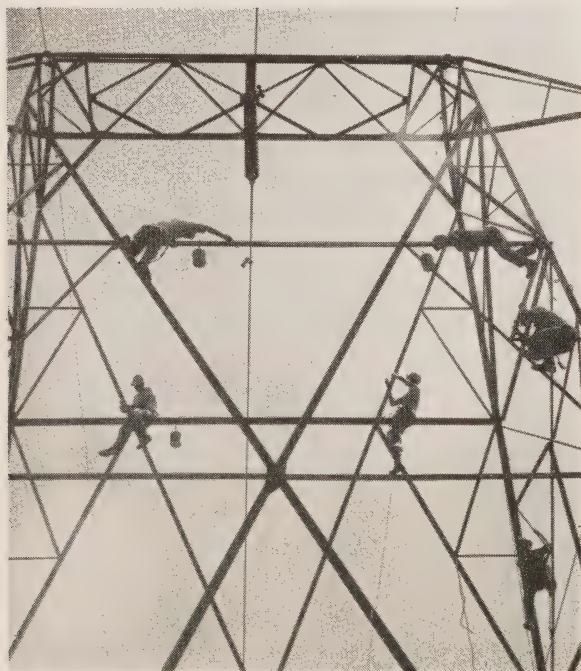
Mechanical Maintenance

Welding was carried out on nine large turbines, eight in the Niagara Region and one in the Northwestern Region.

Major concrete repairs were carried out at the screenhouse of the Ontario Power Generating Station, and on the powerhouse at each of Upper Notch, Fountain Falls, and Toronto Power Generating Stations. At Sir Adam Beck-Niagara Generating Station No. 1, the forebay wall adjacent to the screenhouse was grouted in order to reduce seepage.

Repairs were carried out on the woodstave pipeline which is one of three conveying water to the Ontario Power Generating Station in Niagara Falls. The pipeline, 13.5 feet in diameter and 6,850 feet in length and encased in a concrete envelope a few feet below ground level, was constructed about 1918. Routine inspection during the year had revealed a dislocation of several woodstaves over a relatively limited length of about fifty feet of the pipeline as the result of slow deterioration in some of the staves. Repairs were effected by the use of supporting spiders inside the pipeline, the re-alignment of the staves, the replacement of defective staves as required, and the placing of steel straps part

way around the bore to hold the staves in place. Spare material from the stock originally used was available for the purpose.



TRANSMISSION TOWER MAINTENANCE—In other than industrial areas, the galvanizing on a steel tower normally lasts for 25 to 30 years before the tower needs painting. Thereafter, repainting is required every 10 to 12 years. Temporary employees will use approximately 7,500 gallons of paint in the repainting of up to 900 of these towers during a summer season.

Line Maintenance

The replacement of ferrous with non-ferrous hardware and the resagging of the conductor have removed a restriction on the load-carrying capacity of an important 230-kv transmission line between Chats Falls Generating Station and Hawthorne Transformer Station. The capacity is now increased to the full thermal limit of the conductor itself. In order to reduce interruptions to a minimum, most of the work of replacing hardware and placing the conductor in travellers was done with live-line tools.

Work in the vicinity of Toronto Harbour required the relocation of 0.5 mile of 115-kv underground cable between Richard L. Hearn Generating Station and Toronto-Main Transformer Station. The cable was pulled into the duct in one length, a messenger wire being used to reduce tension on the cable.

Techniques have been developed for the use of radon, a radioactive gas, for detecting leaks in gas-filled, 115-kv, underground cable. Experimental application of the method in 1962 gave promising results.

Helicopters have been used extensively both in the construction and in the maintenance of transmission and distribution lines. Reference is made in Section IV to the part they have played in the construction of the extra-high-voltage line, and their contribution to the construction of the 44-kv transmission line from Manitouwadge to Hornepayne. They have been used also in the construction of rural lines, particularly in rough and inaccessible terrain, in the Eastern, East Central, and Northeastern Regions. For use in emergency repairs on isolated lines in northern Ontario a sectional steel pole has been developed. It can be set by a helicopter and two men.

During 1962, helicopters on patrol inspected approximately 127,000 circuit miles of transmission lines, and helicopters engaged in forestry operations sprayed approximately 4,000 acres of right of way.



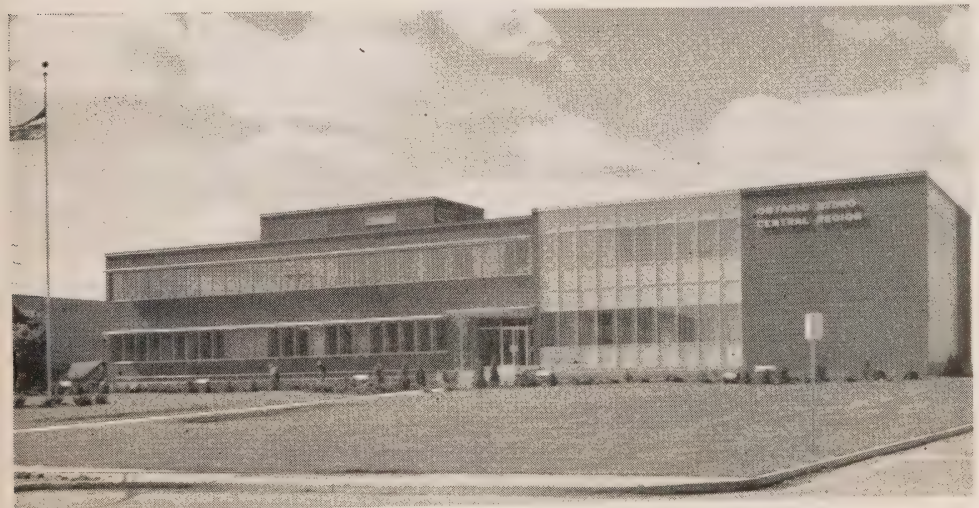
HELICOPTERS AS MAJOR LINE-CONSTRUCTION EQUIPMENT—Two important functions were performed by helicopters under northern winter conditions in a rugged and relatively inaccessible area. At the left, a Sikorsky S58D transports a pole which it will subsequently erect for the 44-kv line from Manitouwadge to Hornepayne. At the right, a Bell helicopter is shown stringing conductor.

Regular rehabilitation work included the replacement of almost 12,000 transmission, distribution, and communication poles with a view to improving service security, and as part of a progressive annual tower-maintenance program on older lines, the cleaning and painting of 441 steel towers on which the galvanizing had deteriorated.

SECTION II

FINANCE

SINCE the former Southern Ontario System and the former Northern Ontario Properties were amalgamated for financial and administrative purposes on January 1, 1962, the various financial statements for 1962 are presented in this Report on a consolidated basis. Comparative figures on the same basis for 1961 have been shown this year in certain of these statements.



ADMINISTRATION OFFICE OF THE CENTRAL REGION — This electrically heated and air-conditioned building, located on Yonge Street in Willowdale, is the new headquarters for Central Region, the largest, in terms of customers served, of the Commission's eight regions. In addition to the main regional staff, the building houses the Lakefront Area administration staff and a North York group of the regional inspectors.



ROUGH WATER ON THE MATTAGAMI RIVER — The jet-propelled "pointer" built to Commission specifications is an excellent craft for site exploration work and, under the conditions shown in this photograph at the site of Kipling Generating Station, it is a great improvement over propeller-driven boats. The pointer is modelled on the substantial but picturesque craft in which pioneer rivermen and loggers once plied the Ottawa River.

The Balance Sheet and the Statement of Operations are included in this section of the Report, together with a summary of the allocation of the cost of primary power to the various classes of customers served by the Commission. Appendix II, beginning on page 99, contains a number of supporting statements and schedules, including a detailed statement of the allocation of the cost of primary power which itemizes for each municipality its share of the total costs, the amount billed under its interim rate, and the resulting refund or charge. Financial information for each municipal electric utility is reported in the municipal service supplement at the end of the Report.

The customer designations used in the financial statements and elsewhere in the Report are as follows:

MUNICIPALITIES—municipalities supplied with power at cost for resale to their customers.

DIRECT CUSTOMERS—those customers (largely industrial) served directly by the Commission.

RETAIL CUSTOMERS—those customers served by Commission-owned distribution facilities in rural areas and in towns and villages where there are no municipally owned electrical utilities.

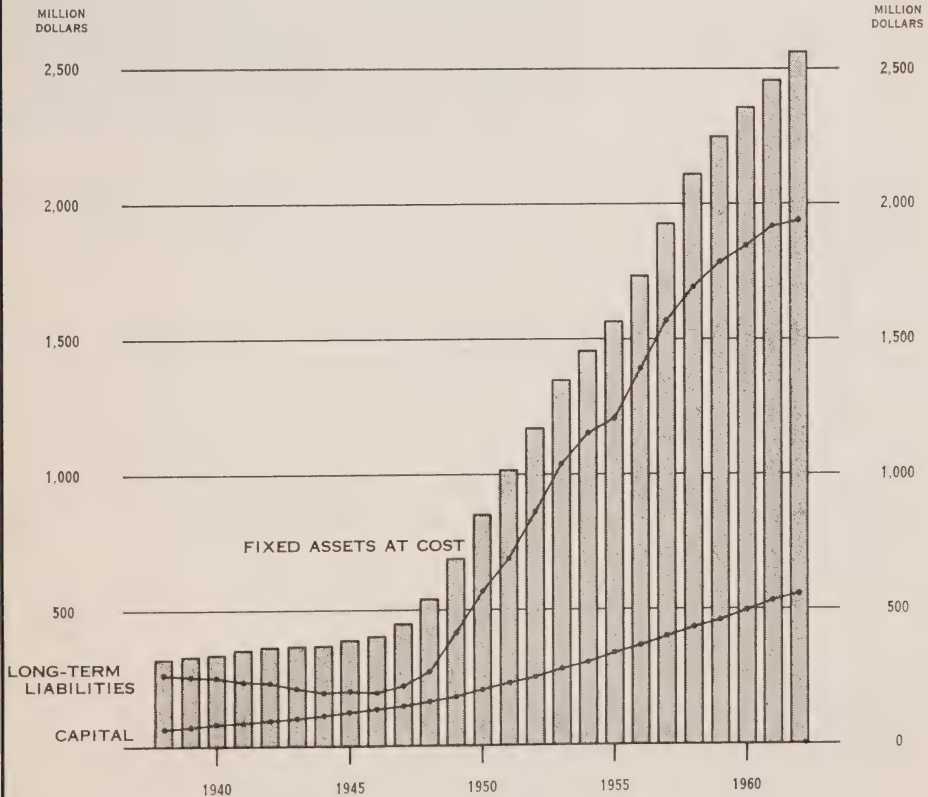
Financial Summary

The comparative figures shown on the Commission's Balance Sheet indicate the continued growth which took place during 1962. It should be noted that pension and insurance funds have been excluded from this year's Balance Sheet and from the January 1, 1962 comparative figures. A statement showing the assets of these funds is set out separately on page 89.

Fixed assets less accumulated depreciation amounted to \$2,231,154,584 at the year end, up \$74,798,478 from 1961. Gross expenditures of \$114,424,292 on fixed assets during the year were the lowest since 1948. They included outlays for new facilities at Lakeview and Little Long Generating Stations, high-voltage transmission lines and retail distribution plant and equipment. Of the \$18,102,361 expended on retail distribution facilities, the Province of Ontario contributed \$921,284 to assist in the construction of rural facilities in Northern Ontario.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FIXED ASSETS, CAPITAL, AND LONG-TERM LIABILITIES



Long-term liabilities increased by \$19,526,191 during the year to a total of \$1,937,811,276, including a \$50-million bond issue sold in June, 1962.

Equities accumulated through sinking-fund provisions and interest increased by \$36,254,258 to provide an accumulated amount of \$438,315,913 at the year end. Of the amount provided, \$30,040,780 were used to retire bonds and to repay provincial advances.

Withdrawals during the year from the Reserve for Stabilization of Rates and Contingencies resulted in a balance at the year end of \$150,517,276, down \$7,542,566 from the balance of \$158,059,842 at January 1, 1962. This reserve is not used to absorb normal increases in cost. It covers the unpredictable effects on cost of variations in stream flows, the possibility of loads falling short of levels forecast when generating facilities were planned, major physical damage to, or obsolescence of, plant and equipment, and exchange risk on debt payable in United States funds.

The sources of funds during 1962, the requirements of the Commission for capital investment and other purposes, and the change in working capital are shown in the following table:

STATEMENT OF SOURCE AND APPLICATION OF FUNDS
for the Year Ended December 31, 1962

	\$ '000 omitted
FUNDS PROVIDED:	
From operations—	
Net charges to cost of power not requiring an outlay of cash:	
Interest added to reserves less interest allocated to frequency standardization account.....	13,014
Provisions for depreciation and sinking fund.....	60,409
Amortization of frequency standardization cost.....	17,849
Withdrawals from the reserve for stabilization of rates and contingencies.....	16,551
Other items.....	2,257
	76,978
Excess of direct and retail customers' revenues over costs.....	2,144
	79,122
From issue of \$50 million of bonds, net of discount and bond issue expense.....	48,870
Miscellaneous.....	1,739
Net decrease in working capital.....	18,511
	<u>148,242</u>
FUNDS APPLIED:	
Expenditures on fixed assets, \$114,424,000, less proceeds from sales, etc.....	112,271
Retirement of Commission bonds and repayment of Provincial advances.....	30,041
Purchases of general and sinking fund investments, less proceeds from sales and maturities.....	5,930
	<u>148,242</u>

Operating Results

The Statement of Operations shows the results for 1962 with comparative figures for the previous year. The Summary of the Allocation of the Cost of Primary Power shows for the year 1962 the amounts billed, and the amount of cost allocated, to each class of customer.

Revenues from the sale of primary power, after refunds of \$2,180,198 to municipalities to adjust interim revenue to actual cost, increased by 5.8 per cent over revenues in 1961. The net revenue from municipalities increased by 7.6 per cent, revenue from the Commission's retail customers increased by 7.1 per cent, and revenue from customers served directly by the Commission with power in bulk was relatively unchanged from that in the previous year. As there were no major changes in rates from those in effect in 1961, these increased revenues resulted almost directly from greater peak loads and increased energy consumption.



A Univac II computer system was installed in 1958 for use by the Commission on a rental basis for processing commercial and engineering data. With the greatly expanding requirements of these applications, the decision was taken in 1962 to purchase the rented equipment and to purchase a second Univac II for installation in 1963

Costs before reserve withdrawals increased \$25,393,576, or 10.7 per cent, largely as a result of an \$11,234,794 or fivefold increase in the cost of fuel used for electric generation.

Increased energy consumption and far below normal stream-flows led to a substantially greater reliance in 1962 on the Commission's thermal-electric facilities. Other factors contributing to the increase in total costs before reserve withdrawals were 1961 and 1962 bond issues, which increased interest expense by \$4,469,371 (6.0 per cent), and the commissioning of new facilities, which is reflected in increases of \$2,377,676 (7.0 per cent) in depreciation and \$1,147,353 (5.3 per cent) in sinking fund provisions.

Withdrawals totalling \$16,550,525 were made from the Reserve for Stabilization of Rates and Contingencies in 1962, an increase of \$12,979,167 over those in the preceding year. The 1962 withdrawals were made to offset unit-cost increases resulting from below-normal stream-flows and from the failure of loads to materialize in 1962 to the extent forecast when construction was undertaken to serve these loads. After these withdrawals, the cost of primary power allocated to customers totalled \$247,198,510, up 5.3 per cent from cost in 1961. The substantial reserve withdrawals in 1962 slightly reduced unit costs from those of the preceding year.

THE HYDRO-ELECTRIC POWER

BALANCE SHEET AS AT

(with comparative figures)

ASSETS

	December 31, 1962	January 1, 1962
	\$	\$
FIXED ASSETS AT COST :		
In service.....	2,391,709,781	2,354,818,383
Under construction.....	175,304,855	106,790,874
	2,567,014,636	2,461,609,257
Less accumulated depreciation.....	335,860,052	305,253,151
	2,231,154,584	2,156,356,106
FREQUENCY STANDARDIZATION :		
Cost to be written off in future years.....	171,298,933	182,201,400
CURRENT ASSETS :		
Cash.....	35,503,269	40,958,532
Temporary investments in government and government-guaranteed securities, at market value.....	2,000,000	16,110,585
Accounts receivable.....	35,399,600	34,008,853
Coal at cost.....	13,878,716	12,888,610
Tools and equipment at cost less depreciation.....	12,787,759	11,386,417
Other materials and supplies at cost.....	11,299,129	12,365,149
	110,868,473	127,718,146
DEFERRED CHARGES AND OTHER ASSETS :		
Debenture discount and expense less amounts written off....	19,473,970	20,929,607
Deferred work orders and other assets.....	4,126,180	5,375,521
Long-term accounts receivable.....	3,295,460	3,236,201
Customers' securities on deposit.....	1,757,712	1,732,912
	28,653,322	31,274,241
INVESTMENTS :		
Investments held at amortized cost—approximate market value \$155,785,000 (January 1, 1962—\$150,118,000)—		
Reserve for stabilization of rates and contingencies.....	142,438,637	130,062,765
Sinking fund.....	14,601,740	20,929,622
Employer's liability insurance fund.....	3,211,147	3,205,063
	160,251,524	154,197,450
	2,702,226,836	2,651,747,343

Auditors' Report

We have examined the balance sheet of The Hydro-Electric Power Commission of Ontario as at December 31, 1962 and the statement of operations for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statement of operations present fairly the financial position of the Commission as at December 31, 1962 and the results of its operations for the year ended on that date.

CLARKSON, GORDON & CO.
Chartered Accountants.

Toronto, Canada,
June 19, 1963.

COMMISSION OF ONTARIO

DECEMBER 31, 1962

as at January 1, 1962)

LIABILITIES, RESERVE, AND CAPITAL

	December 31, 1962	January 1, 1962
	\$	\$
LONG-TERM LIABILITIES :		
Funded debt.....	1,926,784,000	1,905,826,000
Advances from the Province of Ontario.....	12,205,190	13,662,357
Total at par of exchange, including \$75,179,464 maturing in 1963.....	1,938,989,190	1,919,488,357
Less exchange discount (net) incurred on \$354,046,190 payable in United States funds.....	1,177,914	1,203,272
	1,937,811,276	1,918,285,085
CURRENT LIABILITIES :		
Interest accrued on long-term liabilities.....	26,496,713	26,683,703
Accounts and payrolls payable and accrued charges.....	24,867,388	23,018,724
	51,364,101	49,702,427
DEFERRED LIABILITIES :		
Customers' deposits.....	4,264,928	4,622,127
Employer's liability insurance fund.....	3,114,250	3,098,399
	7,379,178	7,720,526
RESERVE FOR STABILIZATION OF RATES AND CONTINGENCIES...	150,517,276	158,059,842
CONTRIBUTED CAPITAL :		
Equities accumulated through sinking fund provisions and interest.....	438,315,913	402,061,655
Province of Ontario, assistance for rural construction.....	116,839,092	115,917,808
	555,155,005	517,979,463
	2,702,226,836	2,651,747,343

NOTES

1. The comparative figures are shown as at January 1, 1962, the date on which consolidation of the former Southern Ontario System and Northern Ontario Properties was effected under the terms of The Power Commission's Systems Consolidation Act, 1961-62.
 2. As the Commission holds investments for the pension and insurance funds as trustee rather than owner, these investments and the related funds have been excluded from the above balance sheet as at December 31, 1962 and from the January 1, 1962 comparative figures. A statement showing the assets of these funds is set out on page 89.
- Commitments under uncompleted contracts for the construction of fixed assets are approximately \$50,000,000.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

STATEMENT OF OPERATIONS

for the Year Ended December 31, 1962

(with comparative figures for 1961)

	1962	1961
	\$	\$ (Note 1)
COST OF PRIMARY POWER :		
Operation, maintenance, and administrative expenses	83,019,097	79,882,614
Power purchased	14,779,304	13,741,531
Fuel used for electric generation	13,457,913	2,223,119
	111,256,314	95,847,264
Interest (Note 2)	78,957,633	74,488,262
Depreciation (Note 3)	36,250,652	33,872,976
Sinking fund provision—contribution to capital	22,610,229	21,462,876
Amortization of frequency standardization cost	17,848,757	17,222,163
Sales of secondary energy	3,174,550	4,538,082
Total, before reserve withdrawals	263,749,035	238,355,459
Withdrawals from the reserve for stabilization of rates and contingencies	16,550,525	3,571,358
Cost of primary power allocated to customers	247,198,510	234,784,101
AMOUNTS BILLED FOR PRIMARY POWER:		
Municipalities (at interim rates)	141,110,609	131,903,252
Direct customers	49,020,304	49,277,586
Retail customers	61,391,470	57,321,355
Total	251,522,383	238,502,193
EXCESS OF AMOUNTS BILLED OVER COST	4,323,873	3,718,092
Credited to Municipalities	2,180,198	2,805,678
Transferred to reserve for stabilization of rates and contingencies	2,143,675	912,414
	4,323,873	3,718,092

NOTES

1. The 1961 figures are presented for comparative purposes only, and have been reclassified to conform with the presentation adopted in 1962.
2. Interest cost includes interest on long-term liabilities, reserve, and sinking fund, less interest capitalized and interest earned on investments.
3. The Commission provides depreciation on the annuity method, and the amounts shown include an interest element of \$7,996,840 in 1962 and \$7,418,305 in 1961.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
SUMMARY OF THE ALLOCATION OF THE COST OF PRIMARY POWER
for the Year Ended December 31, 1962

	Municipalities (Note 1)	Direct Customers		Retail Customers	Total
		Within Municipalities	Outside Municipalities		
PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR :					
Average of 12 monthly peaks in kilowatts..	3,574,749.6	410,468.4	842,527.7	661,908.3	5,489,654.0
Total energy in megawatt-hours.....	20,728,606.5	3,035,030.7	5,706,138.3	3,475,756.8	32,945,532.3
	\$	\$	\$	\$	\$
COST OF PRIMARY POWER:					
Cost excluding items shown below.....	139,272,869	16,286,309	33,053,512	62,101,098	250,713,788
Frequency standardization assessments (Note 2).....	13,613,094	447,466	899,602	1,567,767	16,527,929
Credits resulting from matured sinking fund	3,149,740	308,373	8,654	25,915	3,492,682
Total before reserve withdrawals.....	149,736,223	16,425,402	33,944,460	63,642,950	263,749,035
Withdrawals from the reserve for stabilization of rates and contingencies (Note 3)	10,805,812	1,231,405	2,527,583	1,985,725	16,550,525
Cost of primary power allocated to customers.....	138,930,411	15,193,997	31,416,877	61,657,225	247,198,510
AMOUNTS BILLED FOR PRIMARY POWER.....	141,110,609	15,806,826	33,213,478	61,391,470	251,522,383
EXCESS OF AMOUNTS BILLED OVER COST:					
Credited to Municipalities.....	2,180,198				2,180,198
Transferred to reserve for stabilization of rates and contingencies.....		612,829	1,796,601	265,755	2,143,675

NOTES

- The cost of primary power allocated to individual municipalities is shown on pages 110 to 127.
- The frequency standardization assessments shown above comprise charges to certain customers based on the average of their 12 monthly peaks as follows:

\$5.00 per kilowatt to all 60-cycle customers in the standardized area of the former Southern Ontario System.....	\$15,614,134
\$1.25 per kilowatt to direct and retail customers in the former Northern Ontario Properties	913,795
	<u>16,527,929</u>

In addition an amount equal to the net revenue on the export of 60-cycle secondary energy from the former Southern Ontario System has been appropriated as in prior years for the amortization of frequency standardization costs.....

Total amortization as shown in the Statement of Operations.....	<u>\$17,848,757</u>
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- Withdrawals from the reserve for stabilization of rates have been computed on the basis of the average of the 12 monthly peaks and applied to reduce costs at the following rates:

\$3.00 per kilowatt to all customers.....	\$16,468,962
\$1.00 per kilowatt to municipalities formerly served by the Thunder Bay System and charged to that portion of the reserve held specifically for their benefit.....	81,563
	<u>\$16,550,525</u>

- Power grid costs (formerly termed power supply and bulk transmission) and high-voltage transmission costs have been allocated in total to all customers throughout the Province in 1962, whereas in 1961 these costs were divided among the Southern Ontario System and the two Divisions of the Northern Ontario Properties and allocated separately to the customers in those areas. Except for this change, and for certain minor refinements and variations, the method used to allocate the cost of primary power to each customer in 1961 was followed in 1962.

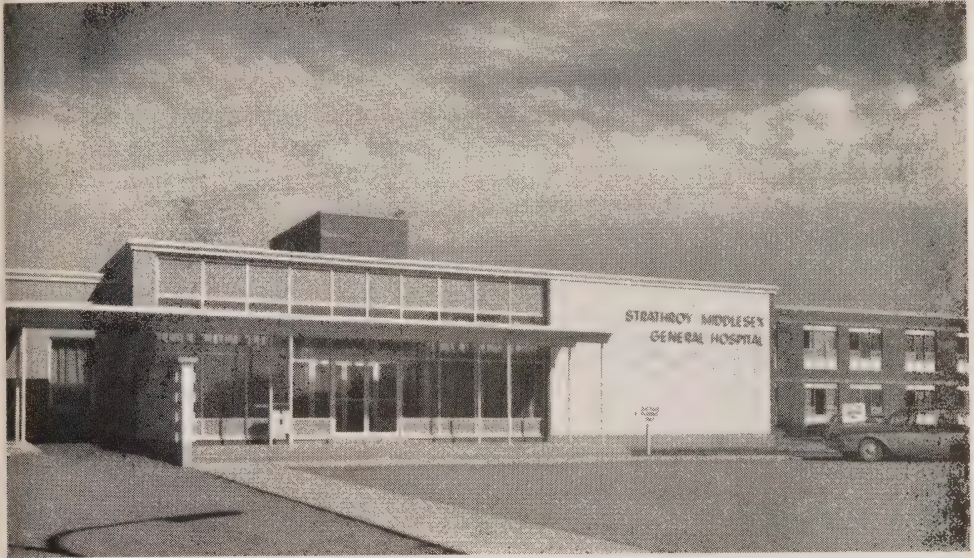
- The cost of primary power allocated to retail customers totalling \$61,657,225 includes retail distribution costs of \$33,179,714.

SECTION III

MARKETING AND THE COMMISSION'S CUSTOMERS

THE Commission and its associated utilities together were serving a total of 1,991,289 customers at the end of 1962. This total included 1,460,553 customers served by the 355 associated municipal electrical utilities, 354 of these utilities being served under cost contracts with the Commission, and the other under a fixed-rate contract. The total also included 530,526 retail customers served by Commission-owned facilities in certain towns and villages and in the rural areas, and 210 direct customers of the Commission. The direct customers, though for the most part industrial, also include a number of interconnected systems, some being independent municipal utilities in Ontario, and others being outside the provincial boundaries.

In order to serve the nearly two million customers spread over the length and breadth of the province, the Commission and the municipal electrical utilities had, at the end of 1962, an aggregate investment in power facilities at an original cost of \$3,055,407,710. The combined revenues in 1962, eliminating duplication in the revenues received by the Commission from the municipal electrical utilities, were \$331,237,000. It is apparent that for the combined operations \$9.22 of capital investment were required to produce every dollar of revenue, a notably high ratio. In such a capital intensive business the utmost importance must be attached to deriving the fullest and most efficient use of costly plant. It follows that successful operation demands an extensive continuing emphasis on promoting and encouraging this, both by the Commission and by the associated municipal electrical utilities, in order that unit costs can be kept at reasonably low levels.



ALL-ELECTRIC HOSPITAL IN STRATHROY — The new Strathroy Middlesex General Hospital is electrically heated and electrically equipped throughout. The architectural appeal of this entrance facade is matched by the elegance and interesting lighting in the reception room inside.

Load Building

Among residential service customers, electric heating is playing an increasingly important part in the marketing program. With the ever-widening recognition being given to the modern concept of "all-electric living", utility experience in the past four years has established conclusively that electric heating has won a high degree of public favour. Continuing study of the characteristics of the electric-heating load, and analysis of the cost of this type of service have permitted substantial reductions in electric-heating rates to be made during the past two years. In most areas electric heating, in cost and in other important ways, can now meet the best that competing forms of energy have to offer.

Water heating is another important electrical load. Customer satisfaction is being increased by the widespread acceptance of the new "Cascade 40" dual-element fast-recovery heating unit, and by the extension of the bonus-block method for billing water-heating load. This method applies a special bonus rate to a block of 400-500 metered kilowatt-hours where the residential installation meets specified performance standards. The block is normally quite adequate to cover water-heating requirements, and any excess in the kilowatt-hour block over these requirements is available at the low rate to the customer for other household purposes. Recent surveys indicate that nearly two thirds of the houses wired for electrical service in the province have electric water heaters.

It is particularly gratifying to note the support given to the electric water-heating program by plumbing and electrical contractors to whose enthusiastic and co-operative effort approximately one third of the water-heater installations during 1962 were attributable.

Medallion Standard

The greatly increased electrical load of the modern appliance-equipped home has clearly demonstrated the need for upward revision of standards in household electrical service equipment. One of the basic Medallion Standard requirements is the 100-ampere service and a 20-circuit distribution panel. With the support of the Ontario Municipal Electric Association, the Commission plans in 1963 to introduce a regulation requiring that all newly constructed complete single-family dwellings above a stipulated minimum size shall be so equipped. In conformity with the concept of all-electric living the Medallion Standard itself has now been revised to require electric heating.



ELECTRICALLY HEATED FOOD CONVEYORS — Meals for patients in the Strathroy Middlesex General Hospital are kept hot in portable units which can be plugged into convenient electric outlets in the kitchen and at delivery points.

A Medallion "showcase" program was arranged during 1962 with the purpose of demonstrating effectively that electric heating is now generally available, and available in houses that are moderate in price. Each of the houses on display was visited by an average of 2,600 persons.

Appliance Sales

The sale of kilowatt-hours is of course dependent upon the prior sale of electrical appliances and equipment, and the Commission welcomes the opportunity to co-operate with appliance manufacturers and dealers in sales promotion. Two feature promotions were arranged in 1962. "Operation

Heat Wave" was designed to promote the use of supplementary electric heating for overcoming deficiencies in other heating systems, and providing easily installed and economical heating for new additions.

The extremely successful "Sunshine Special", which in 1961 had generated the sale of more than 15,000 electric dryers, was repeated in 1962. The second program was even more productive than the first. The 18,000 dryers sold during the six-week campaign, together with the electric blanket premiums given with each sale, will result in an annual increase in load of approximately 22 million kilowatt-hours and an increase in annual revenue of close to \$300,000. Over a two-year period the market saturation for dryers has risen from 16 per cent to over 25 per cent, so that approximately one home in every four in Ontario is now equipped with one of these convenient electrical appliances.

Commercial and Industrial Sales

Expert assistance has been given by the Commission's staff to commercial service customers in the solution of special problems, particularly those related to display lighting and electric heating. Twelve presentations of the Academy of Lighting Arts course were given, and a new commercial and industrial lighting course was presented to three groups during the year.

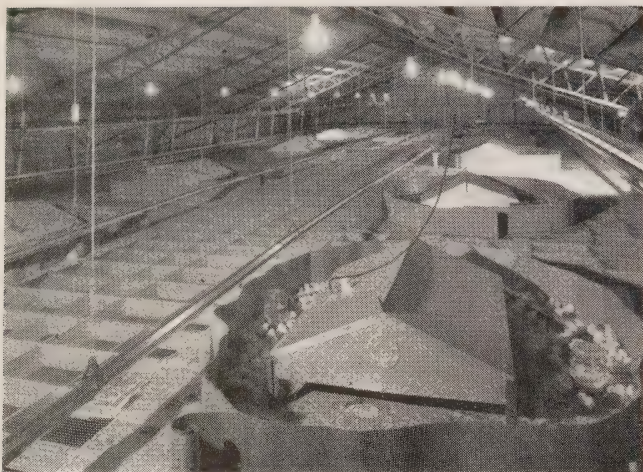
Significant progress was achieved in the installation of electric heating by commercial and industrial customers. Apartment builders in particular have shown a marked interest in the use of electric heating. Three large office buildings at present under construction in Toronto will be heated and cooled by electric heat pumps. An apartment building in a neighbouring municipality will be the first in this province to use individual electric storage-type heaters. The first all-electric hospital in Ontario was placed in service during 1962 in Strathroy.

Two large commercial cooking demonstrations arranged during the year made a notable contribution in support of the load building theme. It is estimated that approximately 10,000 kilowatts of electric cooking load were added to the System in 1962.

Study is being continuously directed toward new uses for electric power, and to the economies that can be achieved through the use of off-peak power in industrial establishments throughout the province. The Commission's staff



INFRA-RED ELECTRIC HEAT PROVIDES SPECTATOR COMFORT—An installation of 56 4-kw heating panels in Stamford Memorial Arena keeps spectators warm without affecting the ice area. Economy of operation and durability are also features of the equipment.



POULTRY BROODING WITH ELECTRIC HEAT — Electrically heated brooders like that in the foreground are used on a poultry farm near Belleville where every two years laying flocks of 36,000 birds are brought to maturity and are maintained through their productive period in houses of this type.

also participated in numerous plantpower seminars with the purpose of encouraging the economic use of power in industry.

Rural Sales

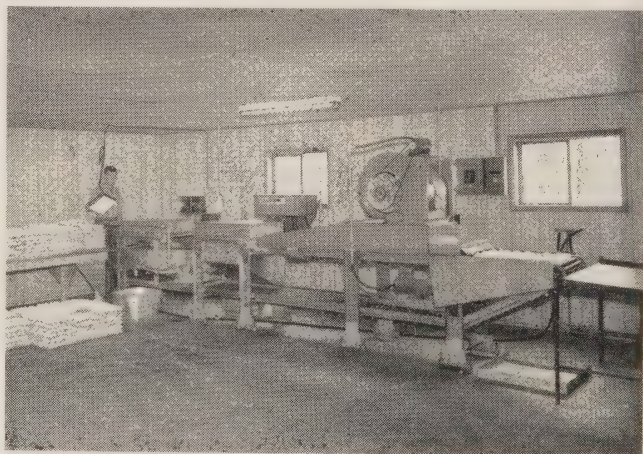
In rural areas the ability of the customer to take advantage of efficient mechanization and labour-saving devices is often restricted by the capacity of the electrical service entrance. With a view to extending the benefits of electrical living, special effort has been

directed towards raising the capacity of service entrance equipment. The time-payment plan to which reference was made in the 1961 Report was introduced by the Commission in 1962 to cover rewiring in the modernization of older homes in the areas served by the Commission's distribution facilities.

Another interesting aspect of the year's activity was a growing interest in farm electrical safety, a theme developed in conjunction with the Federated Women's Institutes of Ontario. Work with 4-H Farm and Home Electric Clubs continues to grow.

Miscellaneous Sales Activity

The use of the Hydro mobile coach and other displays at fairs and trade shows, the home economics program for schools, and the homemakers' service, all contributed effectively to the success of the sales effort in 1962.



EGG-HANDLING EQUIPMENT ON POULTRY FARM — Another valuable electric installation is the labour-saving equipment for washing, grading, and sorting eggs on the same farm.

In the home economics program the appliance manufacturers have been particularly co-operative in a new plan to replace electrical equipment in classrooms each year as new models become available. Beginning in 1963 this policy

will guarantee that future homemakers are well informed of the latest in electrical equipment and of the continuously increasing benefits of electrical living.

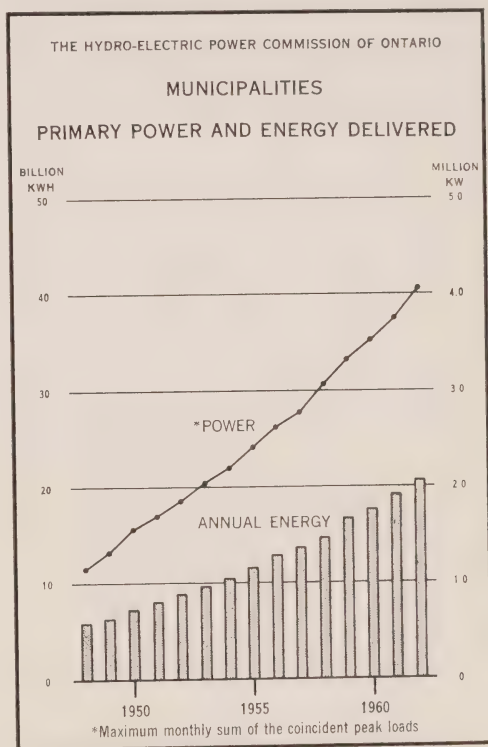
MUNICIPALITIES

The paragraphs that follow in this subsection relate only to the first main group of Commission customers as shown in the Statement of Financial Operations. These are the municipalities served under cost contract. The number included in this group rose from 350 to 354 when the Towns of Hearst, Rainy River, and Sioux Lookout, formerly served at fixed rates, became cost-contract customers of the Commission on January 1, 1962, to be followed on July 1, 1962, by the Village of King City, where service was formerly provided by the rural facilities.

Beginning with the Report for 1962, the Town of Chapleau, which is the one remaining utility served at a fixed rate, has been reclassified as a direct customer, and the Commission's customers in 28 towns and villages served by Commission-owned distribution facilities formerly known as local systems, have now been classified as one group of retail customers together with rural customers. Except for the rural customers, all would in prior years have been included in the statistics presented in graph form on this page.

In 1962 only the cost-contract municipalities are included. In order, however, to preserve an acceptable basis for comparison in the year-to-year statistics in this chart, a municipality served at cost in 1962 is considered to have been a cost-contract customer in any prior year for which it was included.

The cost-contract municipal electrical utilities are billed monthly at an interim rate per kilowatt of peak load. The monthly peak load for a utility is the maximum average demand over a period of 20 consecutive minutes in the month. As the system peak load usually occurs in December, the peak loads for that month are given in the statistical table (Statement "D") beginning on page 234. The sum of these loads for the cost-contract municipalities in 1962 was 4,078,476 kilowatts as compared with 3,768,063 kilowatts in 1961, thus showing an 8.2



per cent increase in comparable power requirements. The corresponding energy delivered to the municipalities during the year at 20,728,833,947 kilowatt-hours exceeded the 19,195,667,201 kilowatt-hours delivered in 1961 by 8.0 per cent.

DIRECT CUSTOMERS

The number of the Commission's direct customers varies from year to year with the acquisition of new customers or the transfer of certain customers to

service by utilities in whose areas they are situated. At December 31, 1962, the Commission had 195 direct industrial customers, including, among others, 76 mines, 19 pulp and paper companies, and 67 companies engaged in primary or secondary manufacturing.

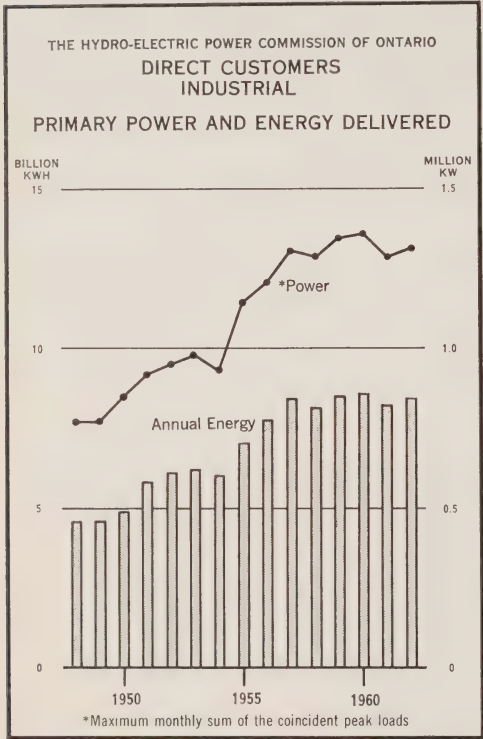
In addition to the 195 industrial customers the Commission's direct customers also included 14 utilities having contracts for the supply or interchange of power, and one municipal utility served under a fixed-rate contract. Since none of these are industrial customers in the generally accepted sense, they are not included in the table of power and energy supplied to industrial customers or in the historical chart on this page.

The sum of the primary peak loads of the 195 industrial customers reached a monthly maximum of

1,306,429 kilowatts in March, 1962, to register an increase of 0.8 per cent over the September 1961 peak of 1,296,063 kilowatts. The energy delivered and the average of the monthly peak loads are shown for 1961 and 1962 in the accompanying table.

Analysis of Primary Loads by Types of Industry

The strong upward trend in loads in the abrasives, chemical, and electro-metallurgical industries to which reference was made in the 1961 Report continued in 1962. These groups, together with the quarrying and building materials group, all showed distinct improvement in rate of growth over that prevailing in 1961 as a whole. General manufacturing and mining continued to decline, and



the latter for the first time since 1937 yielded to the pulp and paper industry as, by a small margin, the largest industrial consumer of primary energy supplied by the Commission. Base metal and uranium mining were the principal contributors to the decline in mining consumption, the former falling off at a rate somewhat faster than in the previous two years, the latter tending to level off after two years of relatively steep decline.

Primary Loads of Interconnected Systems

The maximum monthly sum of the primary peak loads of the interconnected systems rose by 3.1 per cent from 61,698 kilowatts in 1961 to 63,623 kilowatts in 1962, and the primary energy consumption by 4.0 per cent from 351,995,374 kilowatt-hours in 1961 to 366,031,507 kilowatt-hours in 1962. The figure for peak load in 1961 differs from that given in the 1961 Report because the interconnected systems have been treated in the 1962 Report as an entity by themselves rather than as a component of the larger group including industrial customers.

Sales of Secondary Energy

Sales of secondary energy declined slightly from 4,054,757,818 kilowatt-hours in 1961 to 4,009,700,314 kilowatt-hours in 1962. The 2.8 per cent decrease

Primary Power and Energy Supplied to Direct Industrial Customers, by Types of Industry

Type of Industry	Average of the Monthly Peak Loads		Annual Energy Delivered		Increase or decrease
	1961	1962	1961	1962	
	kw	kw	kwh	kwh	per cent
Pulp and Paper.....	348,479	358,787	2,292,831,506	2,368,125,533	3.3
Mining:					
(a) Gold.....	89,203	87,284	595,207,649	578,445,895	2.8
(b) Silver and Cobalt.....	4,241	4,468	21,812,663	21,879,817	0.3
(c) Base Metals.....	205,837	189,323	1,491,326,937	1,363,189,944	8.6
(d) Uranium.....	58,826	53,244	392,527,096	343,312,095	12.5
(e) Non-metals.....	6,448	7,085	33,010,040	36,878,792	11.7
Quarrying, Cement, and Basic Building					
Materials.....	37,564	40,801	193,782,158	211,312,257	9.0
Steel and Electrometallurgical.....	151,704	153,951	838,172,348	870,626,996	3.9
Abrasives.....	59,629	68,989	479,879,320	537,276,127	12.0
Chemical, Electrochemical, and Cyanamid....	175,387	206,371	1,313,703,903	1,533,135,431	16.7
Grain Elevators and Milling.....	5,437	5,050	17,332,237	16,492,291	4.8
Transportation Services and Communications.	8,335	7,877	38,530,366	37,335,297	3.1
Government Services and Institutions.....	32,612	32,027	164,084,678	169,582,844	3.4
General Manufacturing.....	63,191	49,953	311,481,080	244,575,719	21.5
Miscellaneous.....	10,160	9,741	44,678,664	45,005,274	0.7
Total.....	1,257,053	1,274,951	8,228,360,654	8,377,174,312	1.8

in sales to interconnected systems from 3,634,609,476 kilowatt-hours in 1961 to 3,533,736,919 kilowatt-hours in 1962 was in part offset by a 13.3 per cent increase in sales to other direct customers from 420,148,342 kilowatt-hours in 1961 to 475,963,395 kilowatt-hours in 1962.

RURAL ELECTRICAL SERVICE

During 1962 there was a net increase of 14,813 in the number of customers served by the Commission's rural facilities, bringing the total number to 499,562 or slightly more than the previous high of 499,291 established in 1960. This increase is in marked contrast with the decline of 14,542 in 1961 largely attributable to municipal annexation of rural areas. Annexations have continued, however, to reduce the number of farm services, and together with the amalgamation of farm properties, they have for the third successive year brought about a net decline in the number of farm customers served, this year a decline of 970 to a level of 137,954 at the end of the year.

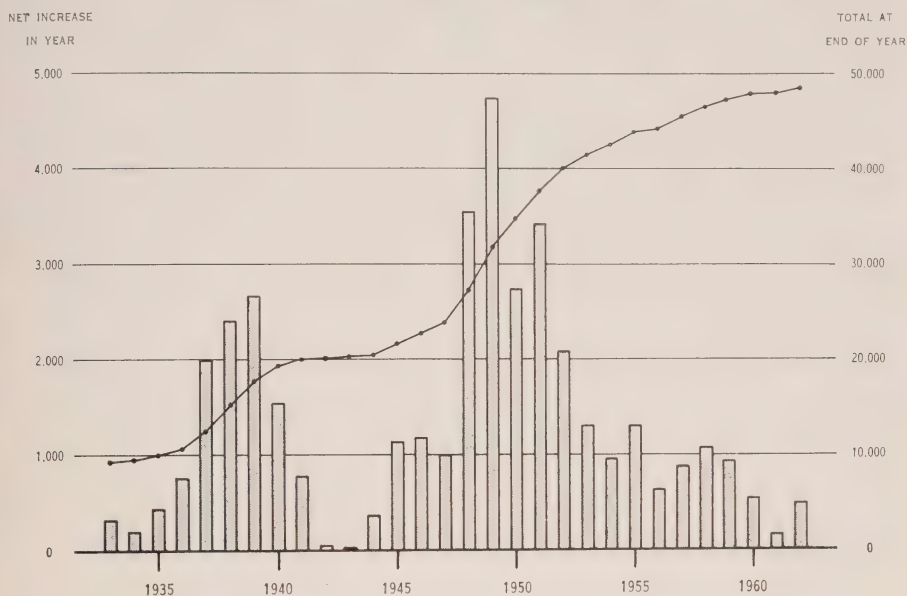
The wide variation in customer density in the rural areas has a marked effect on the cost of service. In recognition of this, the Commission in 1962 reclassified residential year-round services from two groups into three—rural residential, hamlet, and rural suburban services. The suburban rate is applicable to areas where customer densities are comparable with those in urban centres,

NET INCREASE IN MILAGE OF RURAL PRIMARY LINES AND
NUMBER OF RURAL CUSTOMERS DURING 1962

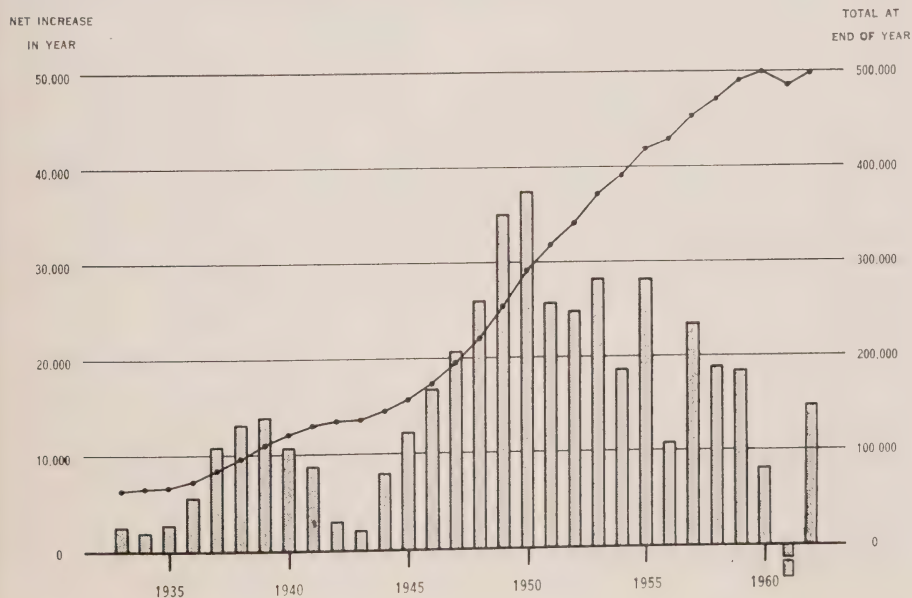
System and Region	Miles of Primary Line	Number of Customers									
		Farm	Residential				Com- mercial	Com- mercial Summer	Summer	Power	Total
			Rural	Hamlet	Sub- urban	Total					
EAST SYSTEM											
Niagara.....	35.69	136	223	7,902	9,027	1,348	115	20	126	41	1,514
Central.....	52.18	405	108	14,751	15,870	1,011	20	2	23	46	647
Western.....	39.19	29	259	4,592	5,478	1,145	65	15	227	63	1,486
East Central.....	124.34	82	229	6,421	7,400	1,208	116	72	1,294	12	2,620
Eastern.....	101.02	15	319	11,655	13,785	2,449	186	37	490	44	3,221
Georgian Bay.....	108.15	131	542	5,325	6,057	1,274	140	107	1,725	42	3,157
Northeastern.....	85.70	157	156	13,158	14,116	1,114	55	9	341	30	1,392
Total.....	441.91	925	1,620	63,804	71,733	9,549	697	258	4,180	278	14,037
WEST SYSTEM											
Northwestern.....	52.09	45	192	1,424	1,718	486	106	17	203	9	776
Total—All Systems.....	494.00	970	1,812	65,228	73,451	10,035	803	275	4,383	287	14,813

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

MILES OF RURAL PRIMARY LINE



NUMBER OF RURAL CUSTOMERS



* DECREASE — 14,542

and specifically those areas where there are concentrations of at least 100 customers in densities of not fewer than 12 per quarter-mile of road.

Increases in numbers of year-round residential customers were fairly evenly spread throughout the regions for a total gain of 10,035. Though they are now a valuable source of revenue for the rural areas, many of these customers are located in suburban developments which may in the near future be absorbed by the municipalities. The increase of 4,383 in the number of summer service customers, for the most part in the Georgian Bay and East Central Regions, emphasizes the contribution that electrical service makes to the development of the province as a tourist and vacation area.

Revenues, consumption, and average monthly consumption per customer were higher for all classes of customers in 1962 than they were in 1961. The number of customers was up for all but farm service. The increased use of electrically operated equipment in milking, bulk refrigeration, stock feeding, and silo unloaders is reflected in the present level of average consumption per farm service at 7,019 kilowatt-hours per annum. The 1962 average cost per kilowatt-hour declined for the four year-round classes of service shown in the table on page 144, and is now at levels lower than for any other year since 1952.

PUBLIC RELATIONS AND SERVICES TO CUSTOMERS

A high level of public interest in Commission activities is indicated in records of visits to various power developments and exhibitions by over 750,000 persons during 1962. This type of interest was further enhanced by the participation in Commission-sponsored public speaking contests of approximately 200,000 students from public and secondary schools throughout the province. In co-operation with the Provincial Department of Education the Commission has also made effective use, for educational programs, of Ontario Hydro films and selected portions from the current television presentation "Biography", which is jointly sponsored by the Commission and the municipal utilities.

The official openings of Lakeview Generating Station, the Nuclear Power Demonstration Station, the W. P. Dobson Ontario Research Laboratory, and the Commission's new Central Region administration building in Willowdale were occasions of special public interest.

Electrical Inspection

Under The Power Commission Act the issuance of regulations governing the installation of electric equipment and wiring, and the inspection and approval of the installations themselves are the responsibility of the Commission. Information supplementary to the published Regulations under the Act is disseminated through periodic issues of electrical inspection bulletins.

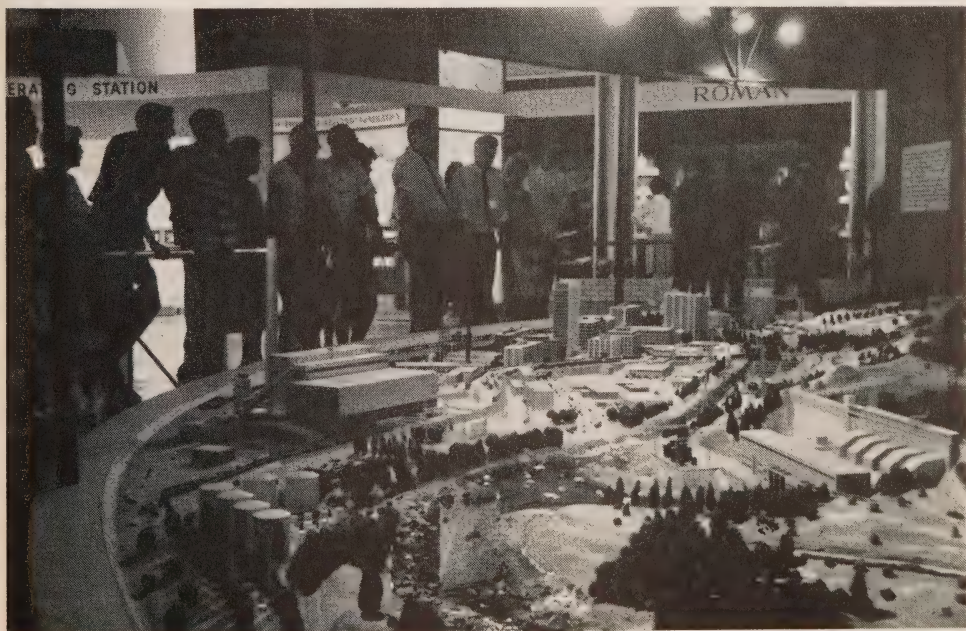
Policies and procedures are under continuous review not only to ensure proper enforcement of the regulations, but also to ensure that regulations, policies, and procedures are up to date with respect to advancements or changes in the use of electricity, and improvements in materials and methods.

With the introduction of the many electrical appliances now in common use, it is becoming increasingly important that electrical installations in older premises be periodically reinspected. Whether the general public is unaware of, or merely thoughtless about, the hazards of inadequate or substandard wiring, Commission inspectors were able to establish that 80 fires in the province during 1962¹ were attributable to electrical causes. This was double the number so reported in 1961.

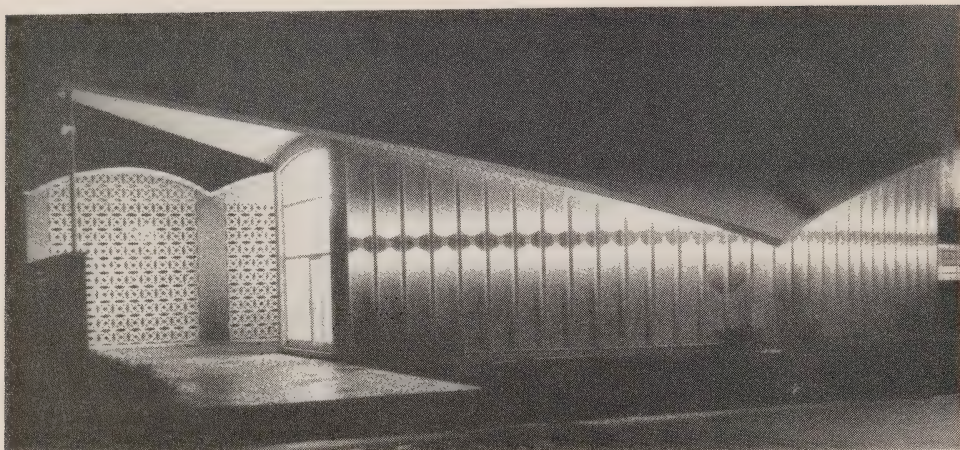
By comparison with 1961, the number of permits issued for electrical installations during 1962 was 4.5 per cent higher, and the number of inspections of work completed or in progress was 7 per cent higher. These advances reflect in some measure the level of activity in the construction industry as a whole.

Rate Research

The changing characteristics of loads, shifts in distribution system costs, and the effect of cost allocation methods on the validity of rate structures must be constantly analysed. Special consideration is being given to the load characteristics of commercial and residential electric heating, and of particular sub-classes of customers, for example, the modern shopping plaza. The effect on cost of the growing trend towards underground distribution is also being studied.



MODEL CITY DISPLAY AT CANADIAN NATIONAL EXHIBITION — A feature of the 1962 Commission exhibit was a scale model of a city, presenting the rain cycle and its relation to the production and use of electric power. In its operating sequence the model passed from a stage of bright sunlight to one of cloud, and rain which filled the streams, then showed the water passing through power generating stations on its way to the lake.



WINDSOR PUBLIC UTILITIES COMMISSION SUBSTATION—This municipally owned substation encloses two 10,000-kva transformers. Special care was taken in designing the building to conform with the architectural redevelopment of the surrounding area.

REPORTS FROM THE REGIONS

Western Region

During 1962 most of the electrical utilities in the Region carried out programs for the reinforcement and rehabilitation of their distribution facilities. A number of utilities, including Amherstburg, Lambeth, London, and Stratford, either initiated or continued with plans to install distribution facilities underground in new residential areas.

To serve increasing loads, new substations were built in London, Stratford, and Windsor. These stations, particularly those in Stratford and Windsor, conformed with the trend in substation design towards architectural harmony with surrounding buildings. The Stratford station is of the underground vault type. The Windsor station is situated in an area included in the municipality's urban renewal program, and special attention was given to the design of the building to ensure that it would complement the appearance of the other buildings in the area.

Niagara Region

During 1962 the municipal utilities of St. Catharines and Welland completed the integration of customers and facilities in the large areas that were annexed by the municipalities during the previous year. In addition, the St. Catharines Public Utilities Commission embarked upon a five-year program under which it will co-operate with the City in modernizing street-lighting facilities. In co-operation with the Bell Telephone Company, the Welland Hydro-Electric Commission completed a pilot program for underground construction in residential areas, using common trenches and pedestals for both power distribution and telephone facilities.

The Niagara Falls Hydro-Electric Commission continued with its program of changing distribution facilities in selected areas from overhead to underground installation, and by the end of the year more than half of the primary circuits in the city had been placed underground. In Stamford Township, an underground substation was placed in service to supply the load of the new all-electric Seagram Tower and other loads in its vicinity.

The municipal utilities of Burlington and Dundas completed the construction of new office buildings and service centres, and the Hamilton Hydro-Electric Commission began using a new service centre. All of these new utility buildings are electrically heated.

Central Region

Residential and commercial construction continued at a vigorous pace throughout the Region during 1962, and this, together with the continuing trend toward increasing use of electricity, resulted in substantial growth in the loads of most municipal electrical utilities. To meet these increasing requirements, additional transformation and distribution facilities were placed in service by the utilities of Aurora, Brampton, East York Township, Etobicoke Township, North York Township, Oakville, Oshawa, Scarborough Township, Toronto, and York Township. The numbers of industrial customers and customer-owned substations also increased significantly.



DUNDAS PUBLIC UTILITIES COMMISSION ADMINISTRATION BUILDING — Glass is the striking exterior feature of the front of the new administration building. Its brightly illuminated, electrically heated and air-conditioned interior provides plenty of display area and facilities to meet the future needs of the growing municipality.

The area of Toronto and Leaside, which is served by the Toronto Hydro-Electric System, is now almost completely built up, and building expansion there has for several years been limited almost entirely to the construction of apartment houses, and commercial, municipal, and industrial buildings. For this reason, in recent years the load of the Toronto Hydro-Electric System has generally not increased as rapidly as the loads of most other utilities throughout the Region. In December 1962, the peak load of the System was 638,815 kilowatts, indicating an increase of 25,545 kilowatts, or approximately 4 per cent, over the peak load in 1961. The increase in the 1962 peak undoubtedly reflects the effects on customers' loads of the unusually cold weather in December.

Builders of apartment houses, which are being constructed at an increasing rate, are showing a growing awareness of the advantages of electric heating. At the end of 1962, five electrically heated apartment houses with a total of 229 suites had been completed, and several others as well as a number of electrically heated office and other commercial buildings were in various stages of planning and construction.

The underground power system in Toronto and Leaside was extended during 1962 by the addition of approximately 68.9 miles of duct, 11 underground transformer vaults, 15.3 miles of 15-kv power cable, and 71.0 miles of lower-voltage power cables and control cables. At the same time the number of cedar poles in use for overhead distribution lines was decreased by 952.



A 73-suite apartment building in Brampton is equipped with radiant heating cables installed in the apartment ceilings. Baseboard convector units heat entrance corridors and stairwells.

During 1962 the Village of Forest Hill completed the construction of a new electrically heated municipal building. Space is provided in the building for the Hydro System office, and the municipal offices and library. Electrically heated warehouse buildings were completed by the utilities of North York Township and Whitby.

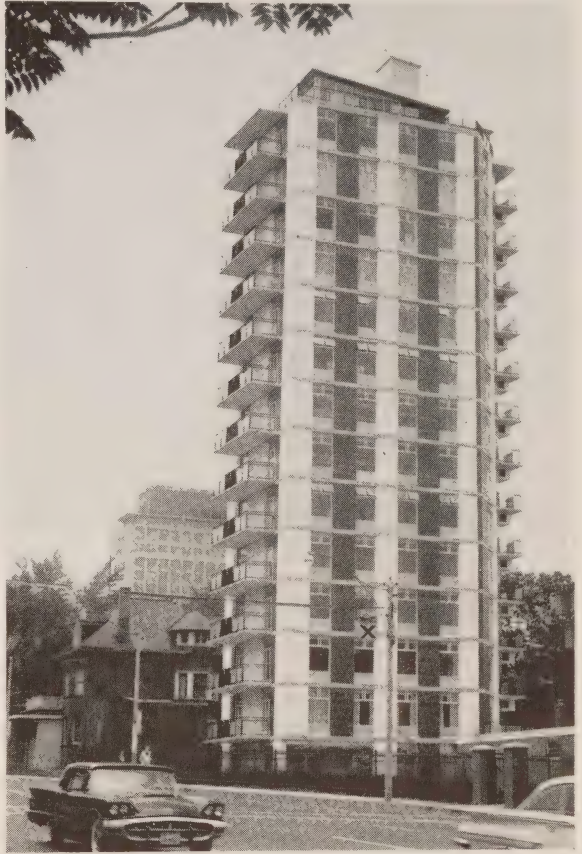
In East York Township, the Hydro-Electric Commission began to supply one of the largest electrically heated and air-conditioned shopping centres in Canada.

The Police Village of King City Hydro System became a cost-contract customer of the Commission on July 1, 1962. The Village was formerly supplied as part of the Richmond Hill Operating Area, and the Area staff is continuing to operate and maintain the new utility's distribution system.

The Town of Oakville and the Township of Trafalgar were amalgamated on January 1, 1962. The integration by the Oakville Public Utilities Commission of customers and distribution facilities within the boundaries of the former township, which was begun in 1960, was completed on October 31, 1962, when customers and facilities in an

area formerly served as part of the Brampton Rural Operating Area were transferred to the municipal utility. The supply of the Ford Motor Company of Canada's Oakville plant, previously served as a direct customer, was transferred to the Oakville Public Utilities Commission during 1962. The load at the plant is approximately 13,000 kilowatts.

On July 30, 1962, the administrative headquarters of the Region was transferred to a new building in Willowdale, on Yonge Street approximately 1.5 miles north of Highway 401. The new building, which houses more than 200 members of the Regional staff and also the office staff of the Lakefront Operating Area, is closer to the geographic centre of the Region than the two buildings formerly occupied on Bloor Street West in Toronto. The largest of the Commission's regional offices, it is electrically heated and air-conditioned.



Fourteen electrically heated and air-conditioned suites, one to each floor, comprise this unusual modern building overlooking downtown Toronto. Each suite is equipped with a heat pump to provide controlled warmth in winter and refreshing cool air in summer.



The Lake Joseph Centre of the Canadian National Institute for the Blind is open from May to October. Safety and individual control of room temperature through electric heat are features much appreciated by the blind residents. Electricity is also used for water heating and for general service in the laundry and kitchen.

Georgian Bay Region

Electric heating has been enthusiastically accepted both for the large installations required in commercial and institutional buildings, and for the smaller but more numerous installations required in private homes. With the exception of seasonally occupied dwellings, more than 50 per cent of the new houses completed during the year in Owen Sound and all of the houses completed in Port Elgin are electrically heated.

To meet increasing requirements, new substations were placed in service during 1962 in Barrie, Chatsworth, Kincardine, Midland, Owen Sound, and Thornbury.

East Central Region

Extensive rehabilitation of distribution systems and improvement of street lighting were carried out by a number of utilities in the Region during 1962. These include the utilities of Bath, Cobourg, Havelock, Lakefield, Napanee, Omemee, and Millbrook.

In Kingston, the reconstruction of the underground distribution system in the downtown area and its extension to serve a total of approximately 1,000 customers was nearing completion at the end of the year. The Peterborough

Utilities Commission converted a large part of its distribution system to a higher operating voltage and also completed its first major installation of underground facilities in a residential subdivision.

Eastern Region

There was a significant increase in the use of electric heating in commercial and institutional buildings in the Region during 1962. Sizable installations were completed in Killaloe Station, Williamsburg, and Winchester, and others were planned or in progress in Chesterville, L'Orignal, Maxville, Morrisburg, and Russell. One installation of special interest is the electric heating system in the new sewage-treatment plant at Hawkesbury. As a measure of control over peak requirements, the heating load is automatically cut out when the larger pumps at the plant are in operation to discharge higher than usual flows into the river. The pumps are required because of the increase in the level of the Ottawa River resulting from the Quebec Hydro-Electric Commission's Carillon Power Development.

To meet increasing loads, the Almonte Public Utilities Commission placed in service a new 1,000-kva substation, and the Renfrew Hydro-Electric Commission increased from 3,000 kva to 5,000 kva the capacity of a substation that it had purchased from the Provincial Commission. In Braeside, rehabilitation of the distribution system was completed.

Northeastern Region

The Hearst Public Utilities Commission, previously supplied at a fixed rate, became a cost-contract customer of the Provincial Commission on January 1, 1962. Under the new contract, the utility purchases power from the Commission at a lower rate, and as a result it has been able to make a generally downward adjustment of its retail rates.

Hornepayne was supplied over a new 50-mile, 44-kv transmission line from Manitouwadge Transformer Station for the first time on June 20, 1962. Previously the town was supplied by diesel-electric generating units, one of which has now been installed for service in Chapleau.

To meet increasing loads, two new substations were placed in service by the Sudbury Hydro-Electric Commission. Espanola Hydro-Electric Commission installed a water-heater control system which can be used to restrict the delivery of power to flat-rate water heaters for a short period at the time of the utility's daily peak load. Similar systems have been installed by a large number of utilities throughout the province, but the installation at Espanola is unique in that it is also being used on a trial basis to control the infra-red heaters which were installed recently over the spectator seating area in the community arena. During the heating season, the cut-off would occur at a time when spectators are not usually present. If as expected this type of control is retained on a permanent basis, consideration will be given to a reduction in the rate for energy used for heating the arena.

Northwestern Region

The municipalities of Sioux Lookout and Rainy River became cost-contract customers of the Commission at the beginning of 1962. Previously these utilities were supplied at fixed rates.

The Terrace Bay Township Hydro System officially opened its new electrically heated office building on November 12, 1962. By the end of the year this utility had almost completed the conversion of its primary distribution system from operation at 4.16 kv to operation at 12.4 kv.

SECTION IV

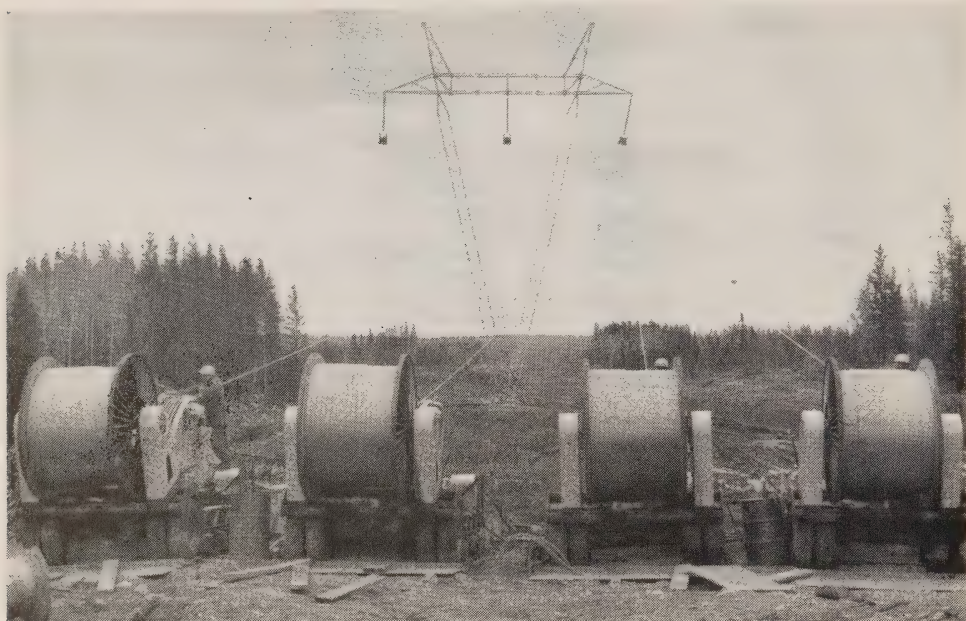
PLANNING, ENGINEERING, AND CONSTRUCTION

MAJOR construction for new conventional sources of power continued during 1962 in two widely separate locations—at Lakeview Generating Station immediately west of Toronto in the heart of the major industrial area of the province and at four remote hydro-electric sites in the James Bay watershed nearly 500 miles to the north. In addition, work was carried out on behalf of Atomic Energy of Canada Limited at the Douglas Point Nuclear Power Station, where a 200,000-kw unit, to be available for service late in 1965, will supply power to the Commission. The concurrent development of thermal-electric resources and of the remaining economic hydro-electric resources is basic to the Commission's planning and construction for new sources of power.

Although the full potential of the power sites in the James Bay watershed will not be known until further investigation and analysis have been carried out, the total power available upon completion of the work at the four stations now under construction and at other potential sites could possibly exceed 1,500,000 kw. Other sites on the English, Mississagi, Montreal, and Madawaska Rivers may also prove economic for future development.

Extra-High-Voltage Transmission

Closely associated with the development of resources in the far north is the problem of transmitting power to the principal load centres over distances ranging up to 500 miles. In view of these distances and the amounts of power to be



CONDUCTOR STRINGING ON EHV LINE—The four 14,000-foot reels in the foreground are mounted on tension machines which simultaneously pay out the four cables that, in a square formation, comprise one bundle-conductor phase of the line. A tandem hydraulic puller located at the other end of a 10-span or 20-span section draws the cables into position without allowing them to touch the ground.

transmitted, extra-high-voltage transmission was indicated as the economic means of incorporating this power into the system.

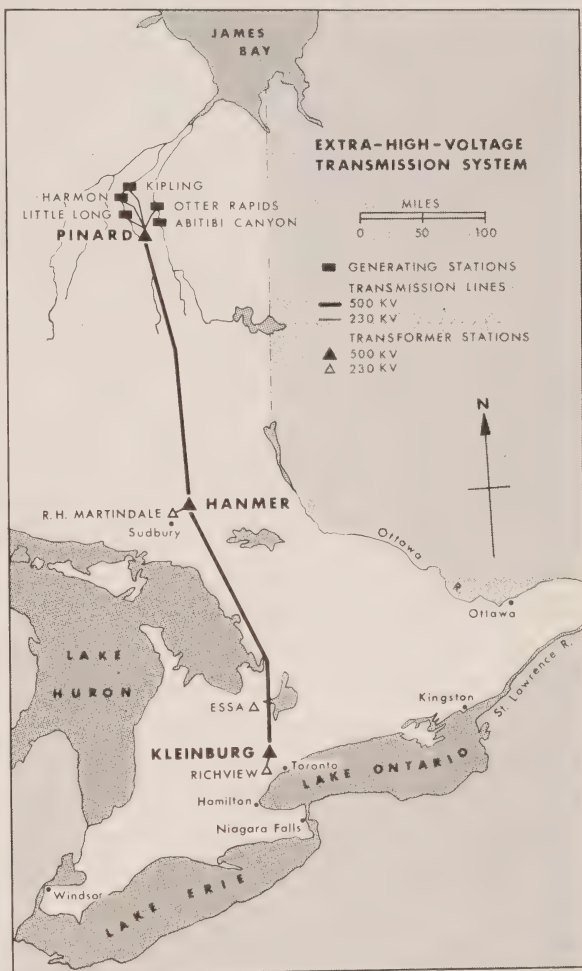
The selection of the voltage for the transmission line, and the development of specifications for the various line and station components, required extensive study. While many problems in the planning and design of an extra-high-voltage system are essentially the same as those encountered at lower voltages, certain factors at the higher voltages have a much greater effect on design and operation, and the phenomena involved are not sufficiently known that their effect can be accurately determined by extrapolation from data derived at lower voltages. The solution of some of the more difficult problems required extensive study both by engineering groups within the Commission and by manufacturers. Experimental installations at the Commission's research laboratory and at the Coldwater extra-high-voltage project were of great value in this work.

Consideration of voltage levels extending from 345 kv to 500 kv resulted in the selection of a level in the range of 460 to 500 kv as the most economic for the contemplated power development program now under way in the north, and this level was also considered most appropriate for the transmission network which, according to present plans, will eventually be superimposed on the 230-kv system in southern Ontario.

The transmission system from the northern developments will be operated at 460 kv when it is first placed in service at the high-voltage level. Since the

plan, however, is to raise the voltage level to 500 kv in later stages, the system is referred to as a 500-kv system.

The accompanying diagram shows the transmission proposed for the incorporation of the first 560,000 kw of capacity from resources now being developed on the Abitibi and Mattagami Rivers. The four stations there will supply 230-kv power over lines to a gathering station at Pinard Transformer Station near Abitibi Canyon Generating Station. From that point a 230-mile, single-circuit, 500-kv line to Hanmer Transformer Station just north of Sudbury, and a 210-mile, single-circuit, 500-kv line from that point southward will carry power to a new station in the vicinity of Kleinburg, northwest of Toronto. The northern section will be in service in the autumn of 1963. It will be operated at 230 kv until 1965, when it will be raised to 460 kv. By 1965, the southern section will also be in service as far south as Essa Transformer Station, but again only at 230 kv. By 1966 this section will have been extended to Kleinburg Transformer Station, and at that time it will be connected for operation at the higher level.



Step-down transformation from the ehv level to 230 kv will be provided at Hanmer Transformer Station, from where power will be supplied to R. H. Martindale Transformer Station. Similar transformation will be required at the terminal station near Kleinburg.

As the amount of power generated at the northern sites is increased, a second 500-kv line may be required over the entire distance. Future extension of the 500-kv transmission network both east and west of Toronto is likely to be required eventually to accommodate the large transfers of power associated with the increased capacity of stations and the greatly expanded loads. When this

Summary of the Power Development Program
as at December 31, 1962

<i>System and Development</i>	<i>Number of Units</i>		<i>Installed Capacity</i> <i>kw</i>
	<i>In Service</i>	<i>Scheduled</i>	
EAST SYSTEM			
Lakeview—near Toronto.....	1T 1961 1T 1962	4T 1963—1967	1,800,000
Otter Rapids—Abitibi River.....	2H 1961	2H 1963	174,800
Little Long—Mattagami River.....		2H 1963	121,600
Harmon—Mattagami River.....		2H 1965	129,200
Kipling—Mattagami River.....		2H 1966	132,000
Douglas Point Nuclear Power—near Kincardine.....		1T 1965	200,000
Nuclear Power Demonstration—near Des Joachims GS.....	1T 1962		20,000

T indicates Thermal-electric.
H indicates Hydro-electric.

becomes necessary, the present 230-kv transmission facilities will probably be operated radially from the main 500-kv terminal stations.

Office and Service Buildings

In Section III, under the report from Central Region, reference is made to the new regional office in Willowdale.

A new area office building was opened in London in February, a new office and service building in Orangeville in March, and a service building in Barry's Bay in July. Work is under way for an office and service building in Pene-tanguishene, for a maintenance building at Timmins Transformer Station, and for the extension of the area office in Beamsville.

Survey Work

Engineering surveys were completed for 156 miles of major transmission lines and for 4 hydro-electric projects. Surveys for the purpose of acquiring property or property easements were carried out along an additional 123 miles of transmission lines and at 5 generating stations.

Photogrammetric methods were used in preparing plans for 14 hydro-electric projects. These plans covered in total about 205,000 acres, and included the first three phases of clearing mensuration at Little Long Generating Station. Plans indicative of ownership and occupancy conditions for properties likely to be required for proposed transmission lines were unobtrusively obtained by photo-grammetric methods without the need for ground survey. Mosaics covering 259 square miles of territory were prepared to facilitate engineering studies. Specifications were prepared and the subsequent inspection was carried out for aerial photography covering about 600 line miles, which was obtained under contract.

Expenditures on Capital Construction, 1953 - 1962

	Genera- tion	Trans- formation	Trans- mission	Retail Distribu- tion	Other	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1953.....	117,311	21,711	15,444	25,369	3,800	183,635
1954.....	76,649	15,360	16,091	20,689	4,029	132,818
1955.....	68,483	12,624	10,823	19,173	3,469	114,572
1956.....	128,245	13,464	11,424	17,459	2,411	173,003
1957.....	151,738	17,302	19,295	17,581	2,776	208,692
1958.....	126,204	20,688	20,806	19,980	2,978	190,656
1959.....	98,251	20,788	12,159	19,996	2,910	154,104
1960.....	82,506	16,624	12,230	18,120	2,559	132,039
1961.....	77,939	10,693	11,446	18,954	4,624	123,656
1962.....	59,741	11,754	21,118	18,102	3,709	114,424
Total.....	987,067	161,008	150,836	195,423	33,265	1,527,599

Progress on Power Developments

OTTER RAPIDS GENERATING STATION—ABITIBI RIVER

<i>Location</i>	—60 miles northeast of Kapuskasing, and 23 miles down stream from Abitibi Canyon Generating Station.
<i>Installed Capacity</i>	—174,800 kilowatts in 4 units, 60 cycles.
<i>Rated Head</i>	—107 feet.
<i>In Service</i>	—Two units in 1961.
<i>In-Service Schedule</i>	—Two units in 1963.
<i>Estimated Cost</i>	—\$32,585,400, including generation, step-up transformation, and high-voltage switching at the site.

At Otter Rapids Generating Station, now in service to the extent of two units, two additional units are scheduled for service in 1963. The headworks and part of the substructure for these two additional units as well as headworks for the possible later installation of four more units had been provided in the first stage of construction at the station. Work commenced in August 1962 for the second stage. Superstructure steel is now in place and the substructure for Units 3 and 4 is being completed. Erection of the turbines for these two units has begun. Downstream channel improvements have been completed, and this work will likely increase the operating head at the station by approximately two feet.

The Little Abitibi River is to be diverted into the Abitibi River up stream from Otter Rapids Generating Station. The damming of the Little Abitibi and the diversion of its flow via Newpost Creek and two miles of canals will enable the capability at Otter Rapids Generating Station to be increased and will also increase the power potential of other sites further down stream. Approval of the plan under the Navigable Waters Protection Act (Canada) was obtained in August 1962. Geological investigations and survey for the diversion work have been completed. All of the main features have been designed and construction will begin early in 1963. The diversion is scheduled for completion in the autumn of 1963.



LITTLE LONG GENERATING STATION—In the foreground is the powerhouse under construction on the right bank of the river, and the tailrace area from which the removal of 610,000 cubic yards of rock had been completed by the end of the year. At the right, the river flows through the completed diversion section.

LITTLE LONG GENERATING STATION—MATTAGAMI RIVER

<i>Location</i>	—About 42 miles north of Kapuskasing, and 4 miles up stream from Smoky Falls.
<i>Installed Capacity</i>	—121,600 kilowatts in 2 units, 60 cycles.
<i>Rated Head</i>	—90 feet.
<i>In-Service Schedule</i>	—The autumn of 1963.
<i>Estimated Cost</i>	—\$48,000,000, including generation, step-up transformation, and high-voltage switching at the site.

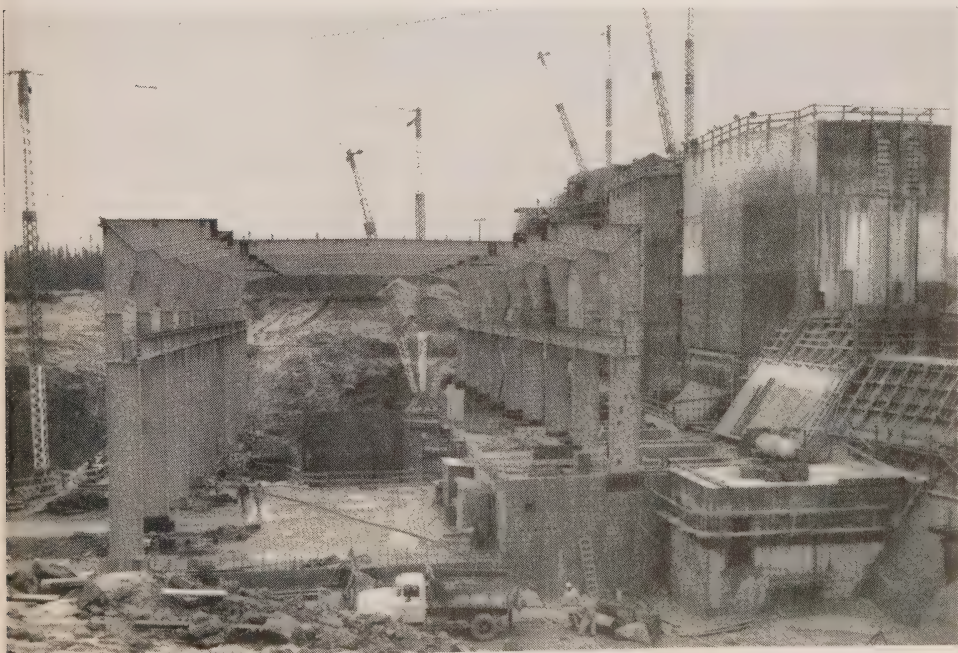
An interesting aspect of the developments on the lower Mattagami River is the proposal to divert flood waters of the river through Adam Creek, which has its source near the Mattagami River about a mile up stream from the Little Long Generating Station site. The Creek flows into the Mattagami about 20 miles down stream, somewhat north of the site of the future Kipling Generating Station. When the Little Long Generating Station headpond is established, a control structure built in the Adam Creek channel will permit flood waters to follow this channel and thereby pass all three sites on the river—Little Long, Harmon, and Kipling Generating Stations. There is no need, therefore, for flood-control structures at the two stations down stream from Little Long Generating Station, which results in a considerable saving in capital expenditure.

The dam at Little Long Generating Station will consist of a central concrete structure with a total length of about 2,800 feet, flanked on both sides of the river by earth-fill dikes with a total length of approximately five miles. These dikes and the concrete Adam Creek Control Dam which is incorporated in the east dike have been completed. Clearing of the headpond area will be completed during the winter of 1962-63, and it will be flooded in the spring. The Adam Creek diversion will then be ready to carry the excess river flow.

The central concrete structure includes two spillway sluices on the west bank, now complete, and the headworks and powerhouse which are being constructed on the east bank. These are connected by a gravity section with a total length of about 1,560 feet, of which less than a third is being constructed in the river channel. To the east of the headworks and powerhouse another gravity section extends a further 600 feet to join the earth dike.

Concreting for the headworks for four units is almost complete, and headgates are partly installed. The penstocks for Units 1 and 2 are in place. The powerhouse superstructure steel has been erected, and the placing of concrete for the powerhouse is virtually finished. The gravity sections of the dam are almost finished with the exception of the eastern part of the river section, now under construction behind cofferdams. Excavation of the tailrace channel is nearly complete.

Construction began in April 1962 for the 27-mile road between the generating station and the future Pinard Transformer Station, from which the station will



LITTLE LONG GENERATING STATION — MATTAGAMI RIVER — The main construction area at the powerhouse site is shown as it was in August, 1962. This station will be in service in 1963 with an installed capacity of 121,600 kilowatts.



LITTLE LONG GENERATING STATION — MATTAGAMI RIVER — The steel framework in the left centre is the powerhouse superstructure, with the headworks at the right. The guy derricks towering over the area have capacities ranging from 10 to 20 tons both for lifting materials and for placing of concrete.

be controlled. The road is expected to be completed in November 1963. Pinard Transformer Station is being built near Abitibi Canyon Generating Station on the Abitibi River.

HARMON GENERATING STATION—MATTAGAMI RIVER

<i>Location</i>	—About 55 miles north of Kapuskasing.
<i>Installed Capacity</i>	—129,200 kilowatts in 2 units, 60 cycles.
<i>Rated Head</i>	—102 feet.
<i>In-Service Schedule</i>	—Two units in 1965.
<i>Estimated Cost</i>	—\$26,288,000, including generation, step-up transformation, and high-voltage switching at the site.

The required topographic investigation of the site, and diamond drilling to determine subsurface conditions for the proposed structures were carried out. A 9-mile service road from Little Long Generating Station was completed, and clearing of the construction area for the project was carried out.

Preparations for cofferdam construction have begun, and a diversion channel to carry the river around the construction area is being cut. The channel will require the excavation of about 45,000 cubic yards of rock.

KIPLING GENERATING STATION—MATTAGAMI RIVER

<i>Location</i>	—About 58 miles north of Kapuskasing.
<i>Tentative Capacity</i>	—132,000 kilowatts in 2 units, 60 cycles.
<i>Rated Head</i>	—102 feet.
<i>In-Service Schedule</i>	—Two units in 1966.
<i>Estimated Cost</i>	—\$23,370,000, including generation, step-up transformation, and high-voltage switching at the site.

The necessary topography and diamond drilling investigations to establish the most suitable arrangement for the proposed earth dams have been completed. About half of the clearing has been done for the 3.5-mile service road from the Harmon Generating Station site.

THUNDER BAY GENERATING STATION—FORT WILLIAM

<i>Location</i>	—North shore of the Mission River in Fort William.
<i>Installed Capacity</i>	—100,000 kilowatts in 1 unit, 60 cycles.
<i>In-Service Schedule</i>	—1963.
<i>Estimated Cost</i>	—\$27,420,000, including generation, step-up transformation, and high-voltage switching at the site.



HARMON GENERATING STATION — MATTAGAMI RIVER — A Bailey bridge crosses the river to join the road (upper left) to Little Long Generating Station. On the right bank of the river the excavation for the diversion channel is shown in its early stages, together with the beginnings of the cofferdam.

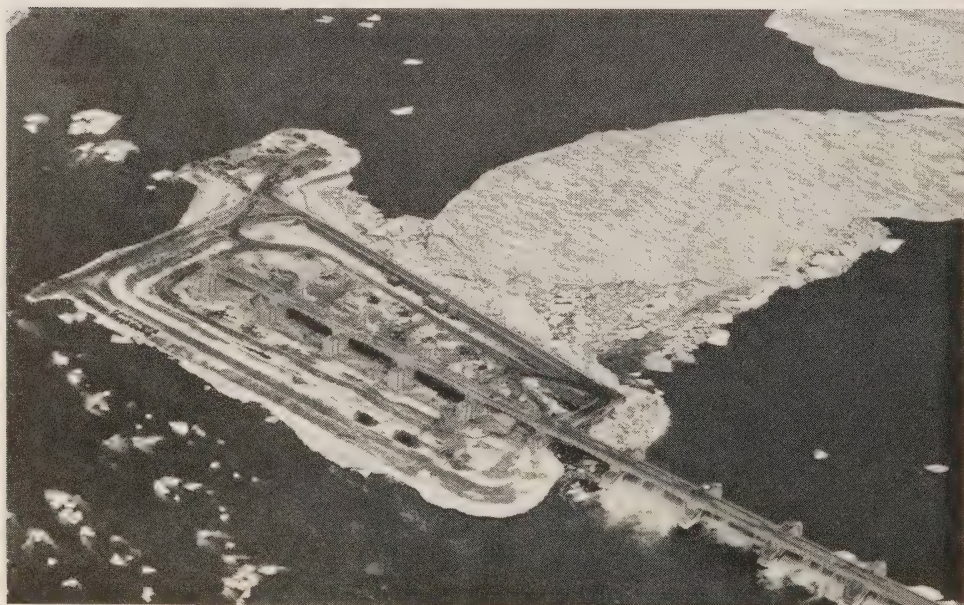
Testing of the 100,000-kilowatt unit at Thunder Bay Generating Station was undertaken during 1962. The need for a number of modifications now being made by the suppliers to certain equipment has delayed the acceptance of the unit for commercial service.

Potential Hydro-Electric Sites for Future Development

In addition to the already scheduled construction to which reference has already been made, plans have been drawn up for a second stage of development at Little Long, Harmon, and Kipling Generating Stations on the Mattagami River. These plans, together with those related to other potential sites, both within the James Bay watershed and elsewhere in the province, are part of a program that envisages the orderly development of all potential hydro-electric sites in the province as they become economically feasible. It should be recognized that even if the Commission were in a position to develop all of these sites at once, their combined output would be barely enough to meet the steadily rising demands for more than perhaps another three years. Individually, some of them are comparatively small. They must therefore be incorporated in the more comprehensive program which enables thermal-electric resources to complement and firm up the smaller hydro-electric resources as they are developed.

Remedial Works on the Niagara River

The original plan for remedial works up stream from the falls had foreseen the possibility that a control structure longer than the 13-gate dam now in service would eventually be required. The need for the extension did not arise until there was prospect of the full operation of the new Robert Moses Niagara Power



NIAGARA RIVER REMEDIAL WORKS — Construction is shown proceeding in the dry for the extension of the Grass Island control dam by five 100-foot gates to supplement the 13 gates already in service.

Plant of the Power Authority of the State of New York. A 5-gate extension to the present structure is now being built to provide for the adequate control of levels in the Chippawa-Grass Island Pool and to facilitate the movement of ice in the river. The five additional 100-foot-wide gates are expected to be installed and in service by the summer of 1963. The gates, together with concrete guide walls extending up and down stream from the control dam on the Canadian side, and certain excavation work at high spots on the river bottom will also facilitate the movement of ice. The guide walls parallel to the Canadian shore and extending 1,700 feet up stream and 2,000 feet down stream from the control dam have been completed. In order to provide additional insurance against the serious effects of ice jams, the Commission and the Power Authority have each purchased an ice breaker to be used in dispersing ice accumulations in the river.

LAKEVIEW GENERATING STATION—NEAR TORONTO

<i>Location</i>	—On Lake Ontario just west of Toronto.
<i>Installed Capacity</i>	—1,800,000 kilowatts in 6 units, 60 cycles.
<i>In Service</i>	—Unit 1 in 1961; Unit 2 in 1962.
<i>In-Service Schedule</i>	—Unit 3 in 1963; Unit 4 in 1964; Unit 5 in 1966; Unit 6 in 1967.
<i>Estimated Cost</i>	—\$196,000,000, including generation, step-up transformation, and high-voltage switching at the site.

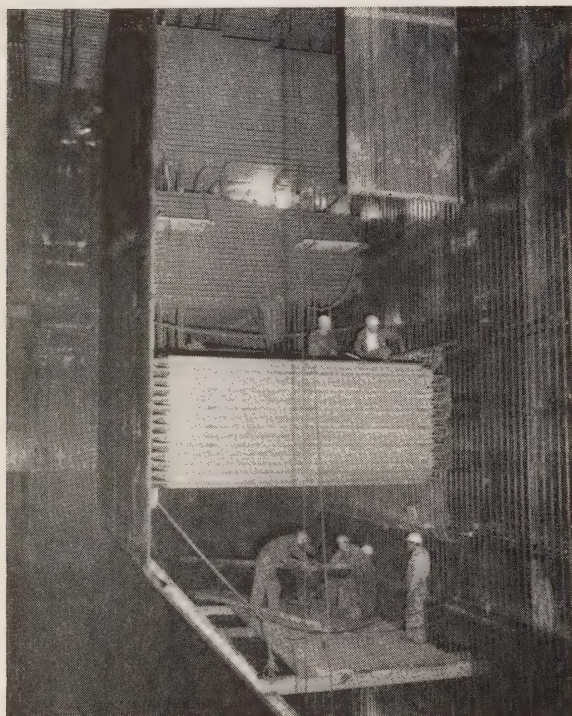
The station is situated on a 144-acre site on land formerly used for the Long Branch Rifle Ranges between Highway 2 and the shore of Lake Ontario. The underlying shale-type rock at the site made possible a saving of several million dollars in foundation costs.

The powerhouse is a steel structure clad with aluminum, with a maximum height of 192 feet. It is planned for six 300-megawatt steam turbine-generator units, but the site could ultimately accommodate eight 300-megawatt units for a total installed capacity of 2,400 megawatts. The station is 293 feet wide and its length will be 900 feet for the six units now planned, and 1,200 feet for the possible eight units.

The coal storage yard has a capacity of 2.5 million tons, which is sufficient to provide for the ultimate station requirements. The docking facilities provided will enable two self-unloading vessels to unload simultaneously. They will accommodate at one time two ships, each 750 feet long and with a draft of up to 27 feet. The coal conveyors from the receiving point to the shore line operate in a tunnel within the dock structure. The conveyors at present have a capacity of 2,000 tons per hour, but provision has been made for doubling this capacity by the convenient installation of duplicate equipment at a later date.

From the transfer house, coal can be routed directly to the station through the crusher house, or alternatively to the tower for stockpiling in the storage yard. Coal is reclaimed from the stockpile by heavy tractor-dozer equipment. The capacity of the conveyors to the bunkers will permit the station to be fully supplied with its 24-hour requirement of coal in one eight-hour shift.

An open-cut water intake has been constructed adjacent to the dock. It will permit clean water to be taken from a depth of approximately 20 feet below the surface level. It can be extended to provide adequate cooling water for the ultimate station capacity of 2,400 megawatts.



LAKEVIEW GENERATING STATION—By the end of 1962 the installation of the steam generator for Unit 3 was about 50 per cent complete. This equipment, together with its suspension and supporting platform, will occupy a space approximately 190 feet high, 70 feet wide and 40 feet deep. Unit 3, with an installed capacity of 300,000 kw, is scheduled for service in the autumn of 1963.

The two steam generators already installed each have a rated capacity of 2,000,000 pounds per hour. Each serves a cross-compound impulse-reaction turbo-generator having a rating of 300 megawatts at .85 power factor. The operating conditions at the turbine throttle are 2,350 psig at 1,000° F, with reheat to 1,000° F.

These steam generators, manufactured and erected by Babcock-Wilcox & Goldie-McCulloch of Galt, Ontario, are of the natural-circulation radiant type, having an efficiency at rated load of 89.75 per cent. They are suspended from the drum level, located 163 feet above the ground floor, all expansion being downward. The suspended weight of the steam generator is 3,000 tons in working condition. Each has three boiler-

feed pumps supplying boiler feed from the deaerator to the economizer, and six pulverizers, each of which supplies four burners. The coal piping is arranged to ensure even firing right across the boiler furnace. The coal flow to each boiler is approximately 103 tons per hour at maximum output.

After passing through air preheaters located at the back of the steam generator, the furnace gases are conveyed through precipitators which extract 98 per cent of the dust content, and thence to a chimney nearly 500 feet in height. There will be one chimney for each two units.

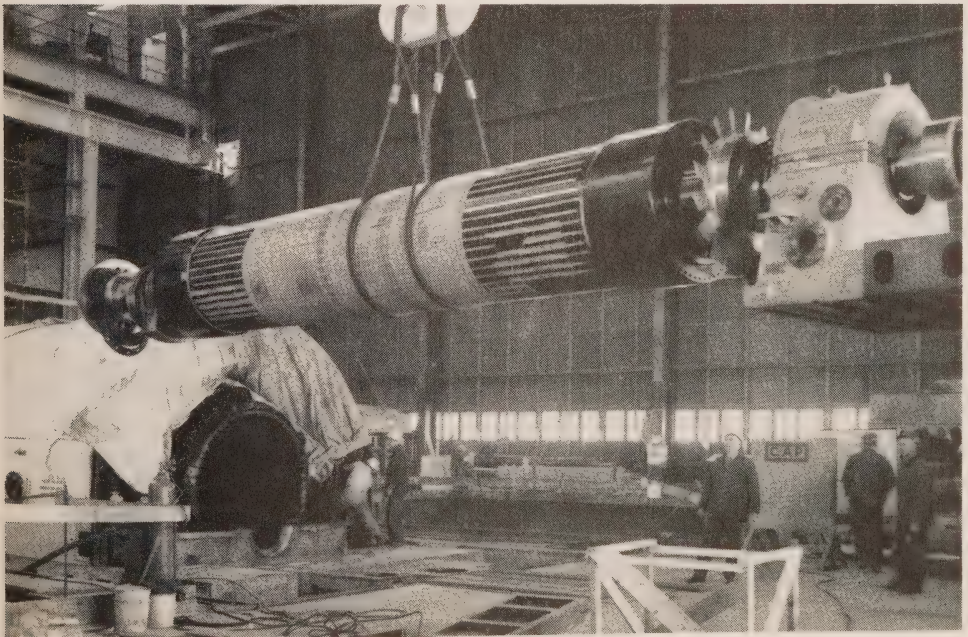
The turbo-generators were manufactured in the United Kingdom by C. A. Parsons and Company Limited of Newcastle-upon-Tyne. Each set has a two-line arrangement, the high-pressure line operating at 3,600 rpm, and the low-pressure line at 1,800 rpm. Each line drives a 150-megawatt generator. The generators are hydrogen-cooled, and operate with hydrogen at a pressure of

30 psig. The generators have a terminal voltage of 16 kilovolts. A heavy-duty isolated-phase bus, rated at 7,000 amperes, connects each terminal on the two generators of a set with a corresponding terminal on a single Canadian Westinghouse outdoor step-up transformer, within which these two generators are paralleled.

Each main step-up transformer is a three-phase, oil-immersed, forced-oil, water-cooled unit with a rating of 340,000 kilovolt-amperes at an ambient temperature of 25° C. In order to reduce noise level, each transformer is enclosed.

Exhaust steam from the low-pressure cylinders of the turbines is carried into two 125,000-square-foot condensers, which are cooled by water brought from the pumphouse on the north bank of the intake channel at the rate of 156,700 gallons per minute. One pump-house equipped with trash-racks and travelling water screens serves the two units. Each condenser is supplied by two half-capacity, circulating-water pumps. The circulating water is supplied to the condensers through concrete pipes eight feet in diameter. It is returned to the lake through channels, eight feet wide by eight feet high, which lead to an open-cut channel at the west end of the site.

Two overhead cranes, each having a capacity of 120 tons, serve the turbine hall. This building is extended towards the east by a water-treatment plant which is equipped to produce a continuous net output of 384,000 imperial gallons per day of demineralized water for use as boiler make-up.



INSTALLATION OF GENERATOR-ROTOR AT LAKEVIEW GENERATING STATION — Each unit has two generators, one operating at 3,600 rpm and one at 1,800 rpm. In March 1962 the 3,600-rpm generator-rotor for Unit 2 was installed. Weighing 48 tons, and 34' 6-5/8" in length, the rotor is shown being lowered into position by the station crane.

Instrumentation for the control of each pair of units as they are installed will be housed in a control-room located between the units being controlled. Provision is made for the later introduction of additional automatic control. Electronic data logging is also installed. The ultimate goal is a computer-type operation, but progress towards this goal is dependent upon development and experience in the industry.

Units 3 and 4 now under construction differ from Units 1 and 2. The steam generators, which are being supplied and erected by Combustion Engineering Superheater Limited of Montreal, Quebec, have controlled circulation. The turbo-generators are single-line, tandem-compound machines with water-cooled generator stator windings. The main contractor for the generators is Associated Electrical Industries Limited of Manchester, England. This company is manufacturing the turbine, generator-rotor, and certain associated parts in England, but has a working arrangement with the Canadian General Electric Company Limited whereby the generator will be assembled and tested at the Canadian company's Peterborough works.

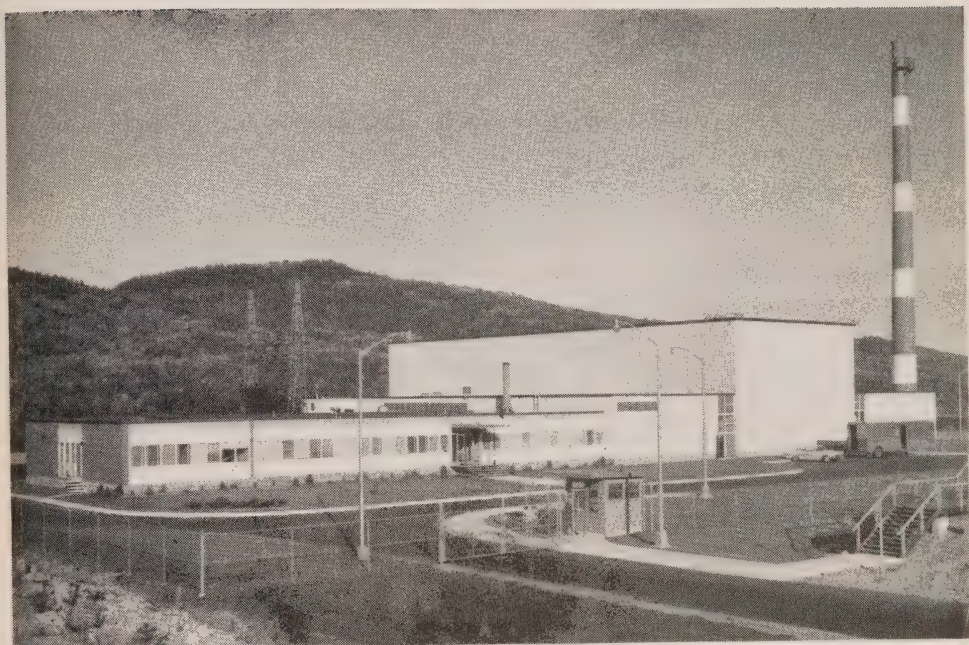
NUCLEAR POWER DEMONSTRATION—OTTAWA RIVER

<i>Location</i>	—About 2 miles down stream from Des Joachims Generating Station on the Ottawa River at Rolphton, Ontario.
<i>Installed Capacity</i>	—20,000 kilowatts in 1 unit, 60 cycles.
<i>In Service</i>	—June 4, 1962.
<i>Estimated Cost</i>	—\$33,000,000, to be shared by The Hydro-Electric Power Commission of Ontario, Atomic Energy of Canada Limited, and Canadian General Electric Company Limited.

The station is situated on the south bank of the Ottawa River near Des Joachims Generating Station, and approximately 140 miles up stream from the City of Ottawa. It is accessible by a half-mile paved road from the Trans-Canada Highway, the nearest railway point being Moor Lake Station two miles to the northwest on the Canadian Pacific Railway.

The Nuclear Power Demonstration plant occupies 8 acres, but a further 550 acres within a radius of 1,200 yards is part of the station property, bringing the total to 558 acres. The main station building is 180 feet long and 151 feet wide, the administration wing being 100 feet by 50 feet. It is of reinforced concrete construction below ground, extending some 90 feet below grade in rock; the superstructure is of steel with asbestos cladding and steel deck roofing. Part of the substructure is of heavy concrete to provide for shielding requirements. The turbine and reactor halls are served by one 25-ton overhead crane. The ventilation stack is 150 feet high, and the pumphouse is located on the river bank 250 feet north of the powerhouse.

The reactor is heavy-water moderated and cooled and of the horizontal pressure-tube design, manufactured by the Canadian General Electric Company Limited. The fuel used is natural uranium in the form of sintered natural



NUCLEAR POWER DEMONSTRATION STATION — NEAR ROLPHTON, ONTARIO — Atomic Energy of Canada Limited, the Commission, and Canadian General Electric Company Limited co-operated in the building of this station which is a prototype for larger installations like the 200,000-kw station now under construction at Douglas Point. First power from the station was supplied to the Commission's East System on June 4, 1962.

uranium oxide. The outlet temperature is 530° F at 1,021 psig pressure. The reactor delivers 82.5 megawatts to the boiler. Fuelling is carried out by two remotely controlled machines which permit on-load fuelling. These machines were also designed and manufactured by the Canadian General Electric Company Limited.

The boiler consists of a horizontal "V-shell-and-tube" heat exchanger, and a steam drum rated at 300,000 pounds per hour at pressure of 410 psig and 450° F. The boiler was manufactured by Babcock-Wilcox & Goldie-McCulloch of Galt, Ontario.

The turbine-generator was manufactured in England by Associated Electrical Industries of Manchester. It is a single-cylinder, 3,600 rpm, single-flow, impulse type with a maximum capability of 22,000 kw and a maximum rating of 20,000 kw. The steam conditions are 400 psig at 450° F and the exhaust pressure is 1.5 inches of mercury absolute. The turbine exhausts steam to a 22,000-square-foot, two-pass, central-flow deaerating unit condenser. A reject condenser with 5,000 square feet of surface area is provided as an alternative disposal point for steam, which permits the reactor to stay on power if the turbo-generator is shut down.

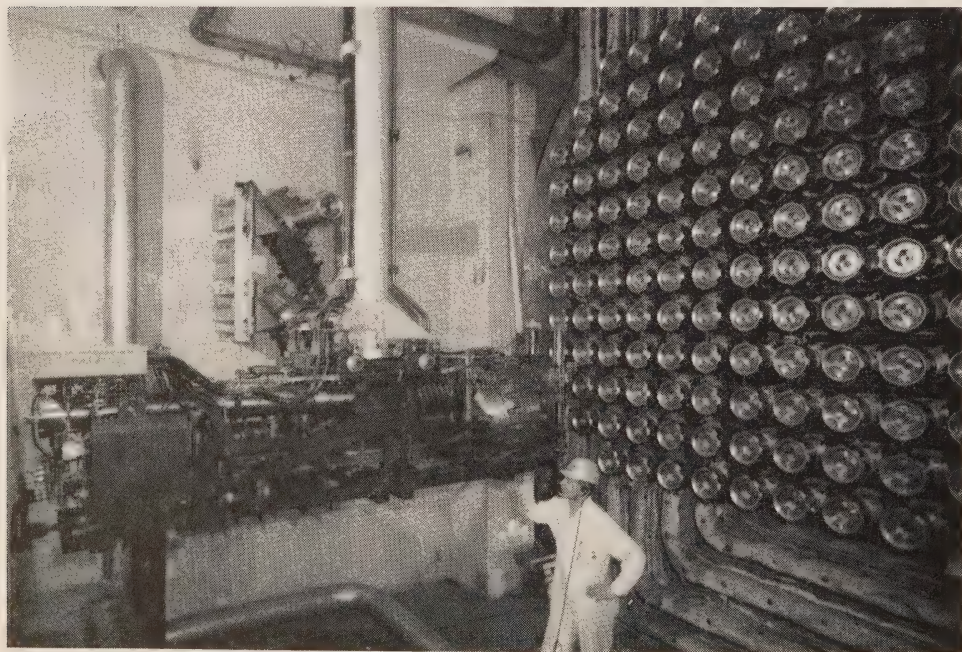
The generator has a rating of 23,530 kva at .85 power factor, 13.8 kv, three phase, 60 cycles, 3,600 rpm, with main and pilot exciters. It is totally enclosed and air-cooled.

A 13.8—115-kv transformer at the station steps up the power for delivery to the Commission's East System. There are two three-winding station-service transformers which supply power at 2,400 and 600 volts. Diesel generators and batteries supply emergency power for essential loads under shut-down conditions if power is not otherwise available.

Water is delivered to the station from the pumphouse by three separate systems, one providing circulating water for the condensers, one process water, and one a combined domestic boiler and make-up water system. There is an emergency fire pump operated by a gasoline engine.

All instrumentation and control is housed in one control-room. It includes control systems for the reactor boiler, reactor fuelling, and the turbine-generator, for electrical equipment, and for radiation monitoring, as well as miscellaneous instrumentation. The reactor control system incorporates control channels in triplicate, which reduces to a negligible value the chance of this control system being in an unsafe condition. Automatic control is extensively used to avoid accidents that might be due to operator error.

The Hydro-Electric Power Commission of Ontario provided the site, financed and designed the conventional equipment and station buildings, and will operate



FUELLING EQUIPMENT AT NUCLEAR POWER DEMONSTRATION PLANT — The automatic fuelling machine is checked preparatory to the placing in service of the reactor. Uranium dioxide cylindrical pellets, approximately seven eighths of an inch in diameter and length, are loaded into close-fitting zircaloy tubes made of an alloy of zirconium and tin which was developed for nuclear application. These tubes are sealed and assembled in bundles about 19.5 inches long and 3.25 inches in diameter. During its stay in the reactor, each 36-pound bundle will produce heat equivalent to that of 250 tons of coal. A full load of 1,188 bundles contains about 20 tons of uranium dioxide.

the station as part of its East System. The Canadian General Electric Company Limited designed and developed the reactor plant, contributed \$2,000,000 towards the engineering cost of the project, and served as prime contractor for supply and construction of the station. The financing of the reactor plant and all reactor development cost in excess of that contributed by the Canadian General Electric Company Limited was the responsibility of Atomic Energy of Canada Limited, which owns the reactor plant equipment.

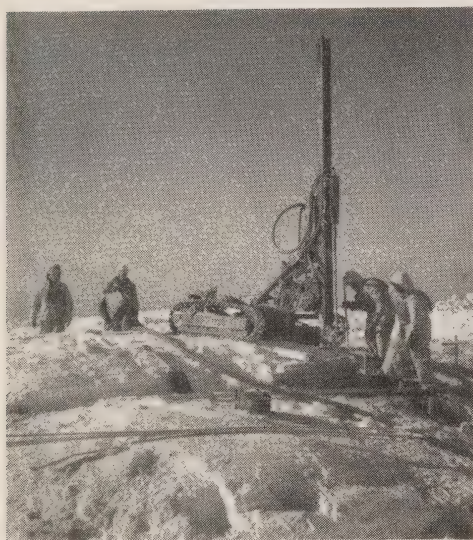
The Nuclear Power Demonstration reactor is at present unique among reactors in that it is fuelled by natural uranium and moderated by heavy water. It employs bi-directional on-load fuelling using short slugs of fuel; the control and protective system is based on variation in moderator level exclusively. The solution of problems connected with the design, construction, and operation of the Nuclear Power Demonstration plant will add significantly to nuclear power generation experience and assist materially in the work involved in the development and construction of the Douglas Point Nuclear Power Station.

Douglas Point Nuclear Power Station

The Douglas Point Nuclear Power Station is being erected by Atomic Energy of Canada Limited on a site provided by the Commission on the shore of Lake Huron between Kincardine and Port Elgin. Its installed capacity will be 200,000



DOUGLAS POINT NUCLEAR POWER STATION — This photograph, taken in June 1962, shows the completed exterior of the reactor building, and structural steel in place for the turbine building. A cofferdam surrounds the area to be excavated adjacent to the circulating-water intake duct, and to the left, the dark outline of the deepened outfall channel is clearly visible.



DOUGLAS POINT NUCLEAR POWER STATION — Working on the solid surface of the thick ice on the lake under intensely cold winter conditions, crews are drilling (left) holes for explosive charges in the circulating-water outfall channel. Approximately six tons of Nitro-ne SI explosive in 2" x 6" cans were loaded into the holes. They were (right) detonated on February 24, 1962. The excavated rock resulting from the explosion was later removed by the use of a drag line and Euclid trucks.

kilowatts in one 60-cycle unit, scheduled for service in 1965. The estimated cost is \$81.5 million.

Under an agreement with Atomic Energy of Canada Limited, the resources of the Commission's organization were made available to the Crown company for this project, and the construction forces of the Commission, as prime contractor, are engaged in building the station. Its output will be supplied to the Commission's East System.

Most of the exterior construction at the station has been completed. The installation of the biological shield cooling coils and heavy concrete for the calandria vault in the reactor building has been completed. Other interior work is continuing in this and other buildings. The intake for the cooling water from Lake Huron has been finished.

Transformer Stations

Western and Niagara Regions

At E. V. Buchanan Transformer Station, three circuit-breakers were placed in service for switching on two 230-kv lines, one from Sir Adam Beck-Niagara Generating Station No. 2 and one from J. Clark Keith Generating Station. In order to protect the 115,000-kva autotransformer at E. V. Buchanan Transformer Station when it was reconnected to a 230-kv circuit to Lambton Transformer Station, transfer-trip carrier receiving facilities were provided at the latter station.

The in-service date was advanced to August 1962 for one of two 215,000-kva, 230—115—13.8-kv autotransformers scheduled to replace 115,000-kva units at Detweiler Transformer Station in mid 1963. The second will be in service in the spring of 1963. In view of the particularly rapid growth in loads in the Hamilton area, the capacity at Burlington Transformer Station was increased during 1962 from 645,000 kva to 860,000 kva by the installation of a fourth 215,000-kva autotransformer.

In St. Catharines, property was purchased for a 100,000-kva, 115—27.6—13.8-kv transformer station which is scheduled for service in 1966 to meet load growth in the area. At Norfolk Transformer Station the installation of forced-oil cooling on the two 27,000-kva transformers increased the capacity of the units to 33,000 kva and deferred the necessity to replace these transformers to meet load growth in the immediate future.

A new station is being built on the Port Colborne Transformer Station site to supply 60-cycle loads now being served from Crowland Transformer Station. The new station will initially have two 25,000/41,666-kva, 115—27.6-kv transformers. It is scheduled for service in October 1963.

Central Region

At A. W. Manby Transformer Station, work for the installation of two 50,000/83,333-kva, 230—27.6-kv transformers was completed, and a 27.6-kv switching structure with six feeders was installed to make use of the additional capacity thus made available. Work is in progress on the 230-kv structure which will be required when power from Units 3 and 4 at Lakeview Generating Station is available.



VERSATILE HELICOPTERS ASSIST CONSTRUCTION AT LAKEVIEW GENERATING STATION — A helicopter is shown (left) lifting a roof vent section from the ground, and (right) placing it in position 200 feet above ground level on the roof of the generating station.

The new Toronto-Leslie Transformer Station, with an initial installation of two 75,000/125,000-kva, 230—27.6—13.8-kv transformers, will be in service in 1963. These will be the first transformers of this capacity used by the Commission. The addition of a spare 50,000/83,333-kva, 230—27.6—13.8-kv transformer at Toronto-Leaside Transformer Station will supplement the three transformers of similar capacity now carrying load at this station. Two 230—27.6-kv transformers of this same capacity were placed in service at Toronto-Sheppard Transformer Station. The station, which is supervisory controlled from Cherrywood Switching Station, ultimately will have eight of these transformers.

The 115—27.6-kv Toronto-Runnymede Transformer Station was completed with an installation of two 50,000/83,333-kva transformers. It was placed in service in November to supply loads in York and North York Townships. The station, which is supervisory controlled from A. W. Manby Transformer Station, will eventually have double its present capacity. A new 115—13.8-kv station, to be known as Toronto-Dufferin Transformer Station, is scheduled for service in the autumn of 1964. It will be supervisory controlled from Toronto-Leaside Transformer Station. Two 40,000/80,000-kva transformers will be installed, and these will be later supplemented by two additional and similar transformers. Two 33,000/56,000-kva, 115—27.6-kv transformers were substituted for two of smaller capacity at Toronto-Armitage Transformer Station, thus increasing the firm capacity of the station by 30,000 kva.

Pleasant Transformer Station is being rebuilt for 230-kv operation and is expected to be ready for service in the autumn of 1964. The capacity of the station is being increased by the replacement of the 115-kv transformer by two 75,000/125,000-kva, 230—44—27.6-kv transformers. A new transformer station at Bronte is scheduled for service early in 1963, principally to supply new oil refinery loads. It will at first operate with two 50,000/83,000-kva, 115—27.6-kv transformers, but will ultimately have six 75,000/125,000-kva, 230—27.6-kv transformers. The capacity of Oshawa-Thornton Transformer Station was increased with the substitution of a 50,000/83,333-kva transformer for a 25,000/41,666-kva transformer.

Georgian Bay, East Central, and Eastern Regions

A new 230—44-kv transformer station is scheduled for service in the vicinity of Beaverton in mid 1963. Initially the station will be equipped with two 50,000/83,333-kva, three-phase, 230—44-kv transformers.

To reinforce the 115-kv facilities, additional property was obtained at Hanover Transformer Station and two 115,000-kva, 230—115-kv autotransformers were placed in service. Provision was made for the possible termination of eight 230-kv circuits at the station and for the later installation of four 225,000-kva autotransformers.

At Barrie Transformer Station, a 115-kv bus was changed to accommodate a second 115-kv circuit from Essa Transformer Station, where terminal facilities for the additional circuit were also installed. The capacity of the station was increased when seven 7,000-kva, 115—44-kv, single-phase transformers were replaced by two 50,000/83,333-kva, three-phase transformers.

At St. Lawrence Transformer Station preparations for the installation of a 300,000-kva, 230-kv, phase-shifting transformer were made. The first item of its kind to be installed by the Commission, it will permit the improved use of the interconnection with the Power Authority of the State of New York.

Construction of the new Kingston-Gardiner Transformer Station was begun. It will supply loads early in 1963 from a 50,000/83,333-kva, 115—44-kv transformer, but will eventually have four transformers of this capacity.

The capacity of Ottawa-Overbrook Transformer Station was doubled by the installation of a 40,000/66,666-kva, 115—12-kv transformer. An additional metalclad switching unit was installed to supply the increased power to The Ottawa Hydro-Electric Commission.

The first stage of a rehabilitation program at Smiths Falls Transformer Station was completed with the installation of a second bank of three 7,000-kva, 115—44-kv, single-phase transformers with associated regulation and switching. A third bank is being installed, and the first transformer bank is being relocated.

A third 13.8—44-kv regulating transformer rated at 8,000 kva was placed in service at Stewartville Generating Station to meet increased loads in the Renfrew and Arnprior Areas.

Northeastern and Northwestern Regions

Four 200,000-kva, 500—230-kv, single-phase autotransformers, and two 50,000-kva, 27.6-kv shunt reactors, together with associated control, relaying, and metering equipment, have been purchased for Pinard Transformer Station at the northern terminus of the extra-high-voltage line. The control building and the 230-kv relaying, compressor, and radio building have been constructed. Foundations for the first 230-kv switching facilities for service in 1963 were nearly completed. The basic arrangement for Hanmer Transformer Station near Sudbury on the extra-high-voltage line has been designed, but purchase of equipment was not complete at the end of the year. Designs are being developed for the expansion of 230-kv switching at R. H. Martindale Transformer Station by the addition of two 230-kv breakers and the replacement of two others to accommodate the initial 230-kv supply from Pinard Transformer Station.

At Kirkland Lake Transformer Station, two 6,000-kva, 44—2.3-kv, three-phase, 60-cycle transformers were installed to replace four 1,250-kva units, and two other transformers, one of 5,000-kva and one of 4,250-kva capacity were removed, overhauled, and relocated at the station. The installation of additional capacity will permit the 60-cycle facilities to supply the 25-cycle load through the frequency-changers at Kirkland Lake Transformer Station as well as the local 60-cycle load at times of low water at the 25-cycle generating stations.

At Caribou Falls Generating Station a bank of three 1,500/2,000-kva, single-phase, 44—26.5—13.2-kv transformers and a spare were placed in service together with a 3,000-kva, three-phase, 13.8-kv regulating transformer to supply a mining customer.

The installation of 7,500 kva of 115—12.5-kv transformation at Kenora Switching Station on a 115-kv circuit from Whitedog Falls Generating Station provides for the supply of the Kenora Area loads formerly served from the facilities of the Ontario-Minnesota Pulp and Paper Company.

At Moose Lake Transformer Station, the relocation of control, communication, and metering equipment in the new control-room was completed.

At Manitouwadge Transformer Station a 44-kv feeder was placed in service to supply Hornepayne, which was formerly served with diesel-electric power. An 8,000-kva, three-phase, 115—25-kv transformer installed at Marathon Distributing Station on the 115-kv transmission network now serves loads in the Marathon Area which were formerly served from 6.9—25-kv step-up transformers on the low-voltage bus of the transformer bank supplying a neighbouring paper company. At Dryden Transformer Station, an additional 115-kv circuit-breaker was incorporated in the ring-bus in order to supply a chemical company.

Transmission Lines

During 1962 the transmission line network was expanded by the net addition of 150 miles to a total of 18,120 circuit miles.

Total Milage of Transmission Lines and Circuits

Voltage and Structure	Line Route or Structure Miles		Circuit Miles	
	At Dec. 31, 1961	At Dec. 31, 1962	At Dec. 31, 1961	At Dec. 31, 1962
EAST SYSTEM				
230,000-volt.....steel tower.....	3,114.69	3,121.99	4,076.66	4,092.28
230,000-volt.....wood pole.....	252.01	252.01	252.01	252.01
230,000-volt.....underground cable.....	0.42	0.42	0.84	0.84
115,000-volt.....steel tower.....	1,981.62	1,983.02	3,287.44	3,290.41
115,000-volt.....wood pole.....	1,571.30	1,620.58	1,575.91	1,627.08
115,000-volt.....underground cable.....	27.37	27.41	60.28	60.36
60,000-volt.....steel tower.....	11.20	11.20	12.33	12.33
60,000-volt.....wood pole.....	3.31	3.31	3.31	3.31
44,000-volt and less,wood and steel....	5,910.45	5,947.39	6,407.88	6,449.24
Total—East System.....	12,872.37	12,967.33	15,676.66	15,787.86
WEST SYSTEM				
115,000-volt.....steel tower.....	420.66	420.66	623.28	623.28
115,000-volt.....wood pole.....	857.97	918.30*	857.97	918.30*
69,000-volt.....wood pole.....	203.72	203.72	203.72	203.72
44,000-volt and less,wood pole.....	568.64	546.74	608.96	587.06
Total—West System.....	2,050.99	2,089.42	2,293.93	2,332.36
Total—East and West Systems....	14,923.36	15,056.75	17,970.59	18,120.22

*The 918.30 circuit miles of 115-kv wood-pole line include 57.93 miles of 115-kv line operating at 44-kv which were formerly included with the 44-kv and less wood-pole line.

Extra-High-Voltage Line

The major undertaking during the year was construction for the 230-mile extra-high-voltage line extending from Pinard Transformer Station, about 40 miles northeast of Kapuskasing, to Hanmer Transformer Station in the vicinity of Sudbury. By the end of the year footings were complete on 153 miles, towers were erected on 143 miles, and stringing was complete for 104 miles of the line.

V-type guyed towers of new and lighter design have been manufactured, some of steel and some of aluminum construction, for use on the extra-high-voltage line. All towers on the northern section, except the dead-end types, are guyed to four anchorages, each of which will hold against a pull of more than 27 tons. Tests conducted during 1962 demonstrated the feasibility of using driven steel H-piles as anchorages for the guy cables. The piled anchor is now being used for flooded muskeg areas.

Each phase of a circuit consists of a bundle of four conductors spaced in a square arrangement, and held so by spacer-dampers installed at approximately 200-foot intervals along the line. The bundled conductors were strung under tension in order to avoid surface damage to conductors by contact with the ground. As a further precaution the travellers through which they were strung were lined with rubber-like urethane. Helicopters were used extensively by survey crews, and by supervisory personnel keeping in close touch with the progress of construction.



MUSKEG TRACTOR ON EHV LINE CONSTRUCTION — In the difficult terrain on the section of the ehv line north of Sudbury, the versatility of these tractors contributed most significantly to the success of the construction work.

Engineering survey for the extension of the line southward to Kleinburg was completed as far as Essa Transformer Station. Clearing was begun in preparation for the commencement of construction in August 1963.

Work is proceeding on the construction of several 230-kv line sections to link the generating stations on the Mattagami and Abitibi Rivers with extra-high-voltage facilities at Pinard Transformer Station. Altogether 51 miles of 230-kv, steel-tower lines will be required for service in September 1963 for this purpose.

Other Transmission Line Construction

Transmission facilities for the supply of power from the Niagara River stations to western Ontario were improved by a program of work which included the addition of an 8-mile circuit of 1,277.5-mcm aluminum conductor, steel-reinforced, between Sir Adam Beck-Niagara Generating Station No. 2 and Beaver Dams Junction. The sixth 230-kv circuit originating in this station, it provides a direct circuit to Allanburg Transformer Station. Changes in the connections of other 230-kv circuits resulted in the establishment of two additional operating circuits, one a three-ended circuit linking Sir Adam Beck-Niagara Generating Station No. 2, Burlington Transformer Station and E. V. Buchanan Transformer Station, the other linking E. V. Buchanan Transformer Station and J. Clark Keith Generating Station.

Another major 230-kv transmission line project requires the construction of 31 miles of double-circuit steel-tower line between Hanover Transformer Station and Douglas Point Nuclear Power Station.

Thirty miles of 115-kv, wood-pole transmission line were constructed between Kapuskasing and Lowther Junction as the first half of a 115-kv service, now operated at 25 kv, that will be extended to Hearst, 30 miles farther west, in 1964. In view of the rapid increase in loads on the 25-kv facilities already in service, and the consequent necessity to accelerate the construction schedule, a helicopter was extensively used in this operation. Crews were flown from camp to the less accessible parts of the line, much of the material was flown from material depots to the work areas, and up to half the poles were transported and set by helicopter.

Changes were made as required to 230-kv and 115-kv facilities to incorporate the new Toronto-Sheppard and Toronto-Runnymede Transformer Stations. Among the changes made necessary by highway relocations or by municipal requirements were the relocation of about 2,500 feet of two 115-kv underground cable circuits between Richard L. Hearn Generating Station and Toronto-Main Transformer Station, and the relocation of 600 feet of four 115-kv underground cable circuits near the Don River, together with other associated changes needed to accommodate an expressway development.

To bring about economies and improvement in the service to the Town of Hornepayne, 50 miles of 44-kv line were built from Manitouwadge Transformer Station. Hornepayne was formerly supplied with diesel-generated power. The construction of this line through rough and inaccessible terrain was carried out entirely by helicopter. Men and material, including poles, conductor, and

hardware, were transported to the site, poles were set, and conductor was strung, all by helicopter. Savings of up to 10 per cent in construction costs over those by conventional methods were achieved.

Improvement in service to the resort area around Huntsville and the Lake of Bays was achieved by the placing in service of 30 miles of new 44-kv line from Minden Transformer Station to Dwight, and the installation of a new regulating and switching station at Huntsville.

SECTION V

RESEARCH AND TESTING ACTIVITIES

THE new Ontario Hydro W. P. Dobson Research Laboratory was formally opened on May 16, 1962, by Dr. W. P. Dobson, who directed the Commission's research activities from the time of their inception as a separate function about 1914 until his retirement in 1952. Dr. Dobson was assisted in the opening ceremony by Mr. W. Ross Strike, Chairman of the Commission, and Mr. H. C. Ross, the present Director of Research.

The laboratory, which is located at the A. W. Manby Service Centre in western Metropolitan Toronto, had been largely completed in 1961 and was occupied by the Commission's research staff in September of that year. Since then, a high-voltage test building adjacent to the main laboratory has been completed. The new building houses 1,500,000-volt impulse-test facilities, now in use, and includes space for high-voltage and high-current test facilities, some of which will be moved from the extra-high-voltage test project at Coldwater where they are still in use.

The Commission's research staff, and its improved and extended research facilities are available to serve all branches of the organization in seeking solutions to the physical problems of power-system operation. Certain research activities dealing with design, construction, operations, maintenance, and miscellaneous testing are described briefly here. More extensive details of some of these activities can be found in the Ontario Hydro *Research Quarterly*.

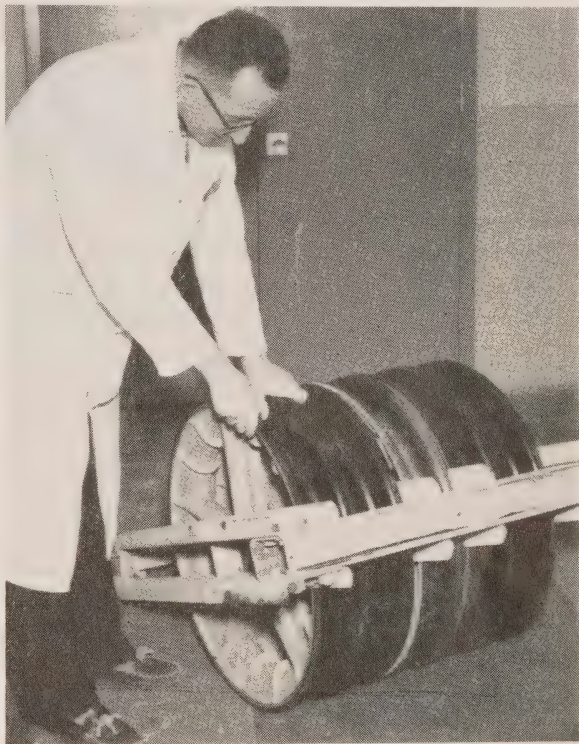
EXTRA-HIGH-VOLTAGE STUDIES

The northern sector of the Commission's first ehv transmission line, that part between Pinard Transformer Station and Sudbury, is now largely complete. Studies relative to the design and the construction of the line were continued during 1962. These were concerned mainly with the mechanical problems of line stringing, the appraisal of items of hardware of new designs, and electrical problems pertaining to corona and to power-line carrier communications.

Conductor Stringing under Tension

In order to avoid conductor-surface damage which would have induced corona when the line is placed in service, the 4-conductor bundles were strung under tension and without contact with the ground. This requirement led to several mechanical problems which have since been largely resolved.

The synthetic-rubber liners first used for the aluminum stringing sheaves were rapidly under the severe service conditions. More durable liners were therefore sought, with the particular requirement that their characteristics at low temperatures be satisfactory. In co-operation with material suppliers, suitable urethane formulations were developed for use as liners, and techniques were devised for their application. In addition, with the prospect of reducing costs, the development of a cast urethane sheave with a metal hub was undertaken. Since their service life is many times that of synthetic-rubber liners, urethane liners are also being adopted for other applications.



CONDUCTOR-STRINGING EQUIPMENT FOR EHV TRANSMISSION LINE — The magnesium pulleys of this stringing block have grooves lined with the plastic urethane to prevent damage to aluminum conductors during stringing. This equipment is representative of many items developed by the Commission in co-operation with manufacturers especially for use on the ehv line.

The numerous other tension-stringing problems that received attention included the development of dynamometers used in monitoring conductor and guy tensions; the testing and improvement of special tools such as the running grounds, cable grips, and helper clamps used in stringing where possible damage to the conductors is a problem; and a study of the possibilities of making longer pulls and of increasing the service life of the pulling elements. The object of the

study was to reduce the number of stoppages required for moving and repairing the equipment, and thus to complete the work more rapidly and more economically. Although longer pulls result in an increase in the pulling load and in greater flexing of the conductor and conductor splices, six-mile pulls were found to be permissible, provided that each pull was followed by a special procedure for the detection and repair of conductor-surface damage that might cause corona. The life expectancy of the pulling elements was increased fivefold by changing the termination of the wire-rope pulling line to a Flemish eye splice, which was fabricated at the site with available tools and commercially available fittings.

Transmission-Line Corona Performance

Considerable progress was made during the year in both laboratory and field studies of corona discharges from conductors and hardware, and of the propagation of the resulting interference along a transmission line. New methods of testing line hardware for corona-free performance were analysed, and were widely adopted in industry. Scale-model tests were used to evaluate the electrical performance of towers of specific designs.

Power-Line Carrier Studies

By means of analytical studies and field tests, the optimum methods of coupling high-frequency power-line carrier signals to an ehv line were found. The field tests were made on a completed 40-mile section of the 500-kv line now under construction, and gave quantitative data which corroborated the results of the analytical studies.

Transformer Insulation

Concern over the electrical stresses in transformers for extra-high-voltage operation prompted studies on the test transformers at the Coldwater ehv test line. Measurements were made by radio-noise methods to determine if ionization occurred in the insulation at various operating voltages. The results of these tests, together with the favourable experience with the Coldwater transformers, which are of early ehv design, will be valuable in specifying and testing 500-kv transformers.

AIDS TO DESIGN AND CONSTRUCTION

Study of the Resistance of Metals to Atmospheric Corrosion

In a long-term study of the corrosive effects of the atmosphere on metals, now in its twelfth year, samples of metals and metallic coatings have been set out and kept under observation at three outdoor test locations. Two of these locations were chosen as representative of atmospheric conditions in typical rural and industrial areas in Ontario. At the third location, which is close to the foot of Niagara Falls, the atmosphere is typical of a humid environment.

From the observations made up to the present, a number of conclusions have been drawn for application in design and maintenance work in order to minimize the effects of corrosion on the Commission's extensive outdoor plant.

Some of these conclusions are outlined in very brief and general terms in the following paragraphs.

For most metals and metallic coatings, an industrial environment has been found in general to be from five to ten times as corrosive, and a humid environment about twice as corrosive, as a rural environment. On the basis of consideration of the extent of deterioration in appearance and of the losses in weight that occur as a result of corrosion, the various galvanized coatings have been found to be the most practical for the protection of steel. Aluminum, which can now be obtained as an integral coating on steel, shows the lowest weight loss of all the protective materials tested, but is more subject to discolouration than the other materials. As compared with zinc coatings, cadmium coatings have been found to perform better in a humid atmosphere, but much more poorly in an industrial atmosphere.

The study has indicated that the best over-all protection is provided by a coating of zinc-aluminum alloy, but up to the present its use has been limited by the relatively expensive spray method of application. The study has also shown that among the unprotected metals tested, certain low-alloy, high-tensile steels do not corrode as rapidly as carbon steels initially, and that the rates at which they corrode decrease significantly after the first or second year of exposure.

In order to keep abreast of developments in corrosion-resistant products, new materials are added to the test installations as they become available.

Avoidance of Lead Cable Sheath Failures

Fatigue damage to the lead sheaths of power cables can involve considerable repair and replacement costs and may also result in the loss of transmission facilities for extended periods. For this reason, a study was made recently of the strains associated with a premature failure due to fatigue of the lead sheaths of 15-kv cable installed in a cable tunnel at DeCew Falls Generating Station. The effect of retraining the cable was also appraised. As expected, in measurements made prior to retraining, the maximum strains recorded occurred in those cable sections where most frequent and extensive repairs had been required. However, the fact that the maximum cyclic strain recorded was less than that considered by others to precede failure indicates that the mechanism of fatigue in lead is not well understood. After retraining, the maximum cyclic strain measured was less than half the previous maximum, and on the basis of published test data, the retrained cables should operate continuously for from 10 to 20 years without failure.

Since fatigue failures have occurred also in 13.6-kv, lead-covered, oil-impregnated cables installed in ducts at another station, it appears that better sheathing alloys are necessary. For this reason, a slow-speed, push-pull fatigue machine has been constructed in order to obtain more pertinent and reliable data on the fatigue strengths of the various available lead alloys. With this machine, flattened lead-sheath specimens are subjected to a reproducible uniform cyclic strain, thus making it possible for different cable-sheathing alloys to be compared directly for fatigue strength. From the results of these tests, field data, and the

levels of fatigue strain expected, the service lives of cables sheathed with each of the various alloys can be predicted. As a result, it should be possible to make a better selection of alloys suitable for sustaining the maximum fatigue strain expected for each installation.

Study of Electric Surges in Underground Cable Sheaths

To prevent corrosion of the lead sheaths of underground 115-kv and 230-kv cables, a thin layer of insulating plastic is commonly used. Electrical surges can cause damage to this protective sheath and to sectionalizing insulators at joints. Analytical studies, confirmed by field tests, have provided a basis for predicting the surge levels. The knowledge gained will be of considerable assistance in the design both of the outer sheaths, and of protective devices to limit the surge levels.

Cable Splicing

In the past few years, the use of polyethylene-insulated aluminum-conductor cables for underground secondary distribution has expanded markedly. A major problem has been the need for suitable materials and a reliable cable-splicing procedure that would ensure a waterproof splice. Such a procedure, using a self-fusing tape, has been developed and tested. The tight bond between this tape and the polyethylene ensures the effective exclusion of water. The procedure has been recommended for splicing directly-buried secondary cables operating at up to 600 volts.

Further work with the same tape has resulted in the development of a splicing procedure for 5,000-volt primary conductors in polyethylene. In addition, a method for splicing and for dead-ending buried cables operating at up to 15,000 volts and for making non-pothole terminations for the same voltages is now under appraisal. Cable insulants of butyl rubber and polyvinyl chloride, as well as of polyethylene, are included in this study, and it is hoped that ultimately one splicing tape and one splicing procedure will be found to be sufficient for all plastic and rubber insulants.

Prestressed Concrete

In the post-tensioning method of fabricating prestressed-concrete structural members, the grouting of the stressing-cable ducts is now receiving increasing attention. Instances of failure resulting from inadequate grouting have been reported from both Europe and North America. In these instances, water entering the ducts has led to severe corrosion of the steel cables, and by freezing has even caused rupture of beams. Accordingly, methods designed to ensure complete filling of the ducts, and protective measures for the cables were developed and specified for the beams to be used in the extension of the Chippawa-Grass Island Control Structure on the Niagara River. Features of the specification include a limit on the amount of bleed-water, which on escaping leaves voids in the grout, a high degree of control of the grout-pumping system, and control tests performed on grout specimens prepared under conditions duplicated in the ducts.

Examinations of grouted-duct specimens removed by drilling from a prototype beam prepared under the new specification have shown excellent results.

Concrete Aggregate Appraisal by Outdoor Exposure

Some years ago, outdoor exposure studies of concrete specimens were begun. Their purpose was to aid in establishing specification limits for certain concrete aggregates, and in formulating relations between physical performance parameters and the composition and structure of the aggregates, as revealed by petrographic examination. For these studies, aggregates of questionable quality were selected as representative of typical deposits in several parts of southern Ontario. In order that the resistances to weathering might be appraised and compared, test specimens prepared from these aggregates are being subjected to natural conditions. The studies so far show that the presence of cherty constituents in aggregates from deposits in southwestern Ontario can lead to surface disfigurement and deterioration of exterior concrete, and that if the chert occurs in concentrations above a certain minimum, rapid general deterioration will occur. The widely distributed weathered dolomite and siltstone, although highly absorbent, have a much less adverse effect in concrete than chert has in equal proportions. This information will be of significant value in the appraisal of aggregates in which these unfavourable materials are found.

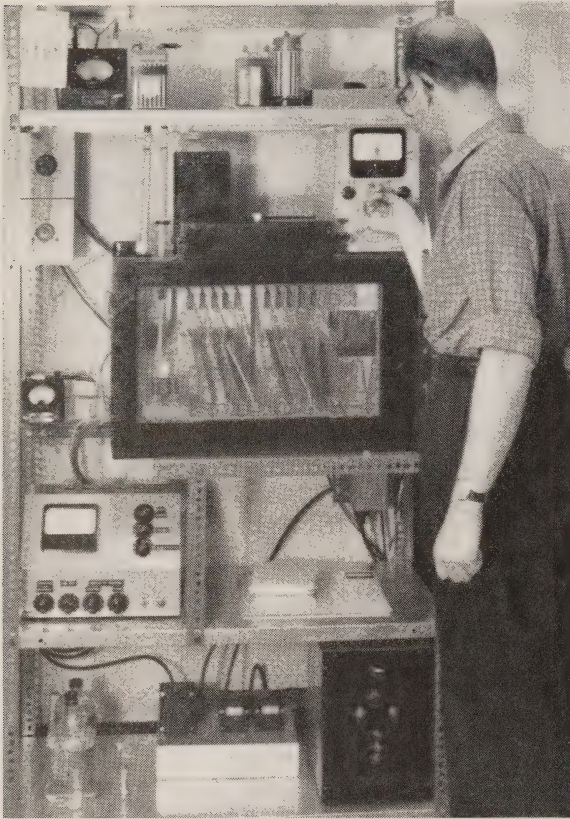
Compaction of Earth Fill

The compactive effort required to achieve optimum results in reducing the volume of air voids in loose fill varies inversely with the water content of the fill. Therefore, in compacting fill with less than the usual water content, there is a choice of two courses of action—either to add water, or to use greater compactive effort.

In order to obtain data for comparison of the strength and deformation properties of till placed at various water contents and densities, laboratory triaxial compression and consolidation tests were made on the till used for impervious fill in the dikes at Little Long Generating Station. The tests showed that although ultimate strength was almost independent of water content at the time of placement, earth placed dry had the best short-term strength, but also the greatest tendency to cracking. The results also showed clearly, moreover, that if dry material was compacted insufficiently to achieve optimum conditions, the short-term strength was less and the possibility of cracking was even greater. Thus for low earth dams such as those usually constructed by Ontario Hydro, it is evidently advantageous to add water to dry fill.

Muskeg as Foundation Material

The construction on deep muskeg of a service road between Little Long Generating Station and Pinard Transformer Station afforded an opportunity to study the performance of muskeg as an embankment foundation. From settlement plates located on the muskeg surface, and pore-pressure piezometers placed within the muskeg at the time of construction, information was obtained for various muskeg depths and road embankment heights. Settlement readings and pore-water-pressure measurements made regularly while the road was under



SURFACE EFFECTS ON ELECTRIC INSULATION — The equipment shown is used for studying the effects of electrical phenomena on insulation surfaces under closely controlled temperature and humidity.

construction, and after it had been completed, indicated the extent and rate of consolidation. Comparisons of the results of these field tests with the results of tests made in the laboratory on samples of peat removed from the construction site indicated useful relations which may be applied in the designing of future embankments on muskeg foundations.

Electrical Insulation Surface Behaviour

During the past year increasing attention was given to the processes of current leakage and insulation breakdown across surfaces. In insulating materials, these surface effects are in practice often more important than the internal processes, which incidentally have recently been largely explained. In particular, methods were developed for the rapid appraisal of weathering properties of the surfaces of plastics which

may become substitutes for the more costly and fragile ceramics and glasses as insulating materials.

AIDS TO OPERATION AND MAINTENANCE

Long-Term Performance of Watt-Hour Meters

Federal regulations require that the accuracy of single-phase watt-hour meters in service be checked at least once every eight years. Prompted by the costs involved in meeting this requirement and by improvements in meter design, a long-term study of the accuracies of sample meters was begun about ten years ago. The sample group installed for testing at that time consisted of 69 meters representing types which were then being supplied to Ontario Hydro. Although a change in accuracy occurred during the first two years of the test, no continuing loss of accuracy in these meters is yet evident. Coincident with significant changes in the designs of meters supplied by the manufacturers, 80 meters were added to the test installation in the period 1957 to 1959 and a further 80 in 1962. The meter rotors of the latest group are supported magnetically, thereby eliminating the thrust bearing which had given trouble in meters of earlier designs. The new meters are expected to sustain accuracy of an unusually high degree.

If this expectation is realized, it should be possible to leave the meters in service unchecked for much longer periods than are currently permitted under the regulations.

Transmission-Line Conductor Ratings

With the recent rapid growth in system loads it has been necessary to permit transmission lines to carry load currents greatly in excess of those for which they were designed. High load-currents, however, will lead to higher temperatures in the conductors and possibly, by annealing, to changes in their mechanical properties. A critical problem arises, therefore, from the necessity to make the most efficient use of conductors consistent with safe practice, and to reduce or postpone capital expenditures by placing the optimum loading on the present lines without causing damage to the conductors.

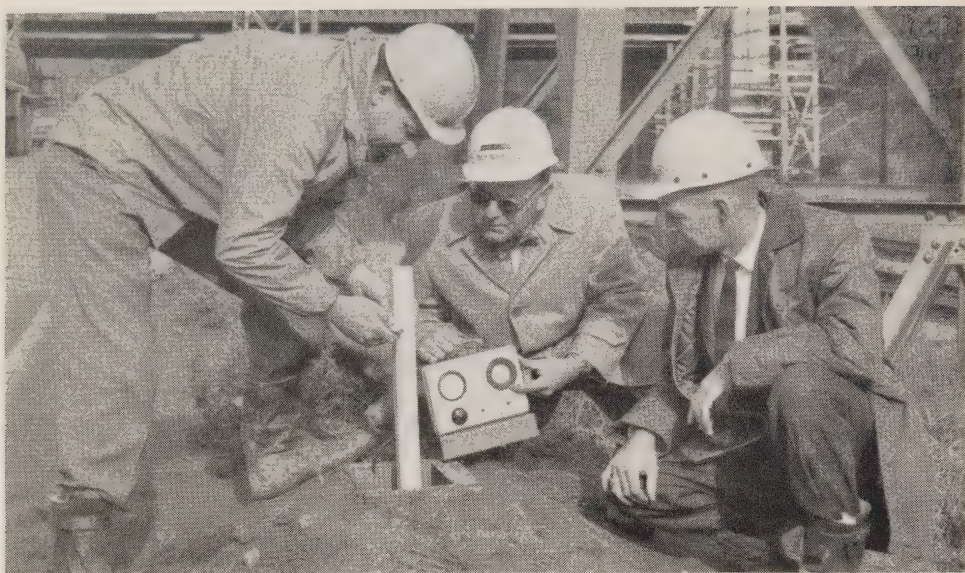
Because of this problem, laboratory studies have been undertaken of the relevant mechanical properties of aluminum at elevated temperatures over a selected range. Facilities have been installed for measuring the creep-effect on the strength of stranded conductors of large sizes. In addition, work has continued on the basic creep behaviour of single aluminum wires. Important engineering parameters are being established for estimating the influence on aluminum of both temperature and stress conditions over certain ranges. These parameters will be useful in studies to determine whether it would be feasible and economical to construct new lines designed on the basis of permitting the conductors to anneal under the effect of high load-currents.



METER ACCURACY TESTING — In this rack 250 single-phase watt-hour meters are undergoing long-term accuracy tests on the roof of the Commission's research laboratory. Sample meters of new designs are added to the test as they become available.

Vegetation Control

On the basis of a ten-year study of more than fifty commercially available chemicals, suitable chemicals have been recommended for long-term sterilization of the soil in areas covered with crushed stone. The study indicated that urea and azole derivatives are the most useful agents in preventing the growth of all vegetation for a minimum of three years.



RADIATION CHECK FOR LOCATION OF CABLE LEAK — In a successful operation to locate a leak in a one-mile section of 115-kv, nitrogen-filled cable, 20 millicuries of radon gas were introduced into the cable at one end. The progress of the radioactive gas, which has a relatively short half-life, was followed by the use of Geiger counters at test holes spaced about 500 feet apart along the cable route. When progress stopped, highly sensitive scintillation equipment was used to measure radiation along the surface between the last two test points, to locate the leak.

Applications of dry pelletized non-selective root-absorbed herbicides were shown to be effective for spot-treatment of nuisance woody growth. Although not justified for general use because of their high cost, these herbicides are of value in such special situations as rights of way adjacent to sensitive crops where close control of application is necessary, and areas of difficult access where the transport of herbicides in liquid form is impractical.

A simple field method for thickening by chemical means the herbicides used for right-of-way brush control has been developed in order to minimize spray-droplet drift in helicopter applications. By this method sprays of suitable consistency are formed that stabilize water-soluble sodium trichloroacetate and 2,4-D/2,4,5-T emulsions used for single-application control of mixed coniferous and deciduous growth.

Wood-Pole Preservation

Continuing studies of methods and materials for extending the life of wood poles in service were directed to the development both of treatments that would give superior preservation, and of labour-saving methods in their application. New methods developed recently include an injection technique in which preservative is pumped into the ground against the pole, thus eliminating the necessity of excavating to uncover the sub-grade pole surface, and a more conventional procedure under which a gelled pentachlorophenol-borax preservative is applied to the pole surface and is retained in place by an enveloping waterproof paper bandage. The latter procedure approximately triples the permissible period

between pole retreatments. An improved method has also been developed for repairing damage caused by woodpeckers.

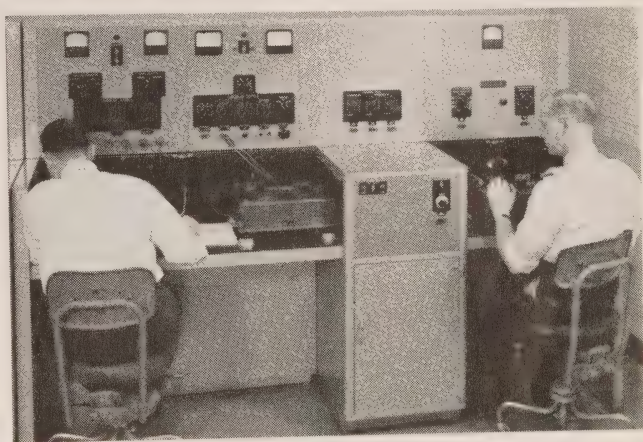
Cable Leak Detection by Radioactive Tracer

In November 1962, staff members of the Commercial Products Division of Atomic Energy of Canada Limited collaborated with Ontario Hydro personnel in using a radioactive tracer to locate a leak in a 5,000-foot section of 115-kv, pipe-type, 200-psi, nitrogen-filled cable.

Twenty millicuries of radon, a radioactive gas with a relatively short half-life, were introduced into the cable pipe at one end. Then Geiger counters, placed at a number of test holes, were used to check the progress of the gas along the pipe, and these measurements indicated that the radon advanced at about 80 feet per hour. The Geiger-counter checks were made as far as the first test hole at which no radiation was detected. With scintillation equipment, attention was then directed to the surface of the ground between this and the previous test hole. The leak was finally located within a foot of the point indicated by the equipment.

Dissipation Factor of Apparatus Insulation

A new device has been developed which annuls interference from adjacent energized apparatus, and thus greatly simplifies dissipation-factor tests on the insulation of equipment such as transformers and circuit-breakers. As a result, these tests can now be made with a relatively inexpensive portable low-voltage bridge. Previously, high voltages were required to overcome interference. The new device provides automatic synchronization of the corrective voltage with the interference voltage, when the latter is not in synchronism with the test supply.



D-c calibrating bench being used for the calibration of a laboratory standard wattmeter by means of a d-c potentiometer. From left to right are located the current supply, the voltage supply, a standard-cell comparator, and auxiliary circuitry for the d-c potentiometer. A temperature-controlled oil bath is located below and in front of the standard-cell comparator.

MISCELLANEOUS

Measurement Reference Standards

The effectiveness of Ontario Hydro's many technical activities depends on instrument accuracy in measurement of, for example, electric power and energy, force, length, pressure, and temperature. Because of this need for precision, reference standards are maintained for calibrating instruments and measurement equipment.

Periodic calibration of Ontario Hydro reference standards and measurement equipment by the National Research Council and the Department of Trade and Commerce, both of Canada, and by the U.S. Bureau of Standards continues largely as usual. For the Weston cell (voltage standard), however, the calibration results, instead of being dependent as formerly on measurements of a single unit representing the standard, are now based on mass data statistically processed. The resulting accuracy is of a corresponding high degree.

With present facilities, the voltage, current, and electric power and energy on the Commission's systems, up to the greatest values expected for the near future, can be measured to an accuracy of 0.1 per cent or better. Short lengths can be gauged to an accuracy of .00001 inch, while forces up to 100,000 pounds and pressures ranging from almost a vacuum to 10,000 pounds per square inch can be measured to an accuracy of 0.1 per cent. Even greater accuracy is possible for smaller forces. Temperatures between -30° F. and 300° F. can be measured with 0.1° F. accuracy, and temperatures to $1,100^{\circ}$ F. with 2° F. accuracy. Many other quantities, such as time and frequency and those related to light, can also be measured with acceptable accuracy.

Lubrication

Significant progress has been made in the standardization of lubricants used for the Commission's operating, maintenance, and service equipment. For example, as a result of a study made before Units 1 and 2 at Lakeview Generating Station were placed in service, the types and grades of lubricants required for the station were reduced in number to approximately one third of those originally recommended by the equipment suppliers, and Canadian sources were found for most of the lubricants required. In this way major economies in lubrication costs were achieved without any loss in lubrication efficiency.

An extensive study was made also of the lubrication of transport and work equipment. Standardization of lubricants for most applications was effected.

In recent years, leakage of ethylene glycol antifreeze into the lubricating systems of large transport and work equipment engines, with consequent seizure



SCIENTIFIC MEASUREMENT IN TRANSPORT EQUIPMENT OPERATION—With \$10 million of Commission transport equipment on the road, there is a substantial operating cost for engine idling for cab heating and radio operation alone. In order to seek methods of most economical operation, instruments were installed on four vehicles to record precise data on performance on the job. The information obtained will provide a basis for instruction to drivers in the effective control of operating expense.

of bearing surfaces, has become an increasingly serious problem. However, laboratory and field analytical methods have now been developed for detecting such leakage before engine damage can occur.

Vehicle Operation Studies

In order to obtain information about vehicle operating characteristics and practices, systems of recording instruments have been installed in two line trucks and two service trucks selected from the Commission's fleet. The daily records being obtained while these trucks are in regular operation are providing basic and comparative data on the lengths of driving and idling time, on gasoline consumption while idling, and on generator output, battery energy exchange (input and output), and cab and crew-compartment temperatures. In general this information will be of value in the selection of truck equipment and in the development of economic operating practices. In particular, information is being sought as to the extent of idling time to serve as a basis for the selection of adequate generators, batteries, and heaters, and also as a basis for a choice between the transistorized and tube types of radio transmitting and receiving equipment. In order to provide data for a comparison of the effects on idling time of these two types of radio equipment, two of the trucks selected for the study are equipped with transmitters and receivers of the transistorized type, and two with the tube type.

Closed-Circuit Television

A 90-degree viewing attachment was constructed for a small-diameter closed-circuit television camera intended for use in restricted spaces. With this attachment on the camera, details of the walls of a 3-inch pipe or bore-hole, into which the camera will enter freely, can be picked up and displayed on a viewing screen at more than twice their actual size.

SECTION VI

STAFF RELATIONS

THE introduction of technological and administrative improvements in the Commission's operations and organization continues to bring about changes both in the general composition of the staff and in total numbers engaged. The most apparent effect was the decline of 1.2 per cent in the average number of employees from 15,097 in 1961 to 14,920 in 1962. The 1962 average included 12,294 regular and 2,626 temporary employees, the latter engaged for the most part in seasonal work in construction and maintenance. Construction work on transmission lines in northern Ontario was primarily responsible for the employment of somewhat larger numbers of temporary employees in 1962, the maximum for the year being 3,599 in August.

Personnel Planning and Development

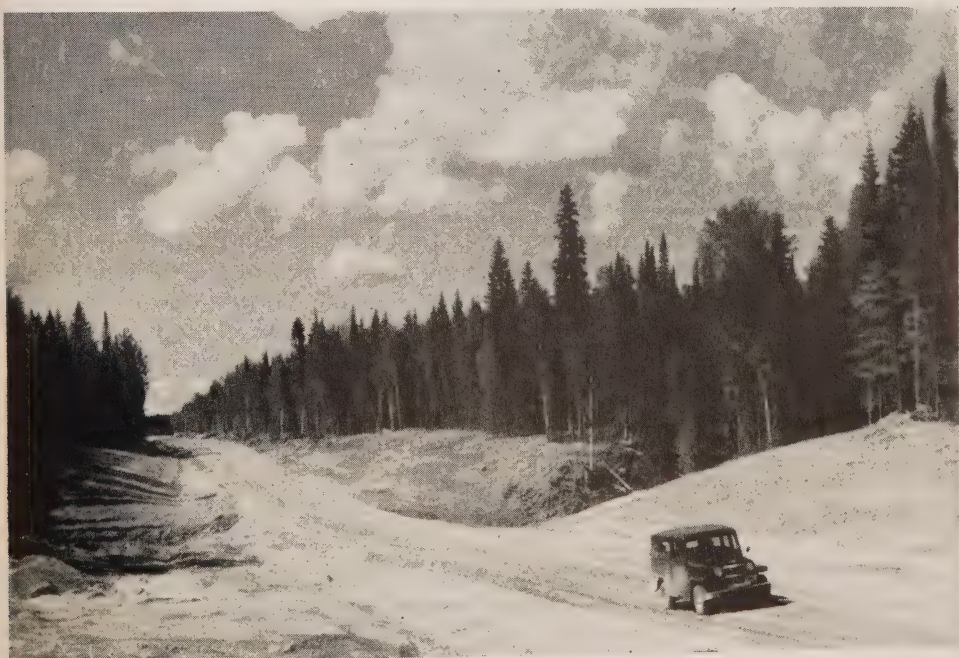
Management and professional people are often the first to be affected and challenged by new administrative and technical problems. Since they must provide leadership in adjustment to change, continuous training of management and professional staff is particularly important. During the past year, 540 persons in this group attended advanced training courses conducted by the Commission. Many of these courses were presented in evening seminar discussion groups. Management and professional ranks are annually replenished by the appointment, among others, of young engineering graduates as required to keep the staff complement appropriately balanced. Eleven were engaged in 1962 for further training before appointment to positions of responsibility.

Among the technical staff, the first 53 successful candidates completed in 1962 an intensive course in the theoretical and practical aspects of meter, relay, and communications work. The work was conveniently spread over a 3½-year period of on-the-job and home study. Already endowed with considerable technical skill and experience, these candidates and their successors in the current course will, as the result of their training, be better equipped to assist in engineering work.

At the Nuclear Power Demonstration plant at Rolphton, a school was established for training in the operation of nuclear-electric generating station equipment. Members selected from the group participating in this training will become the operating team for the Douglas Point Nuclear Power Station.

For trades supervisory staff, classroom training in the more technical and theoretical aspects of their work was continued in addition to on - the - job instruction. Courses in sales training and public relations were also conducted for members of the Commission's staff and for employees of the municipal electrical utilities.

With the rapid technological changes that are taking place and the consequent greater need for attention to training and retraining staff, future staff requirements are being given more intensive study well in advance. With its greatly broadened experience during recent years, the Commission has been able



ROADS TO THE NORTH — This is a typical section of a new 32-foot access road built by the Commission to link Little Long Generating Station on the Mattagami River with Harmon Generating Station, 10 miles to the north. Construction is well under way on a 27-mile access road connecting Abitibi Canyon Generating Station with the Little Long, Harmon, and Kipling Generating Stations on the Mattagami River. This road should be completed early in the fall of 1963.

to adjust to these changes with a minimum of inconvenience and dislocation of staff. Up to 85 per cent of the employees affected by such adjustments are normally relocated in other parts of the changing organization.

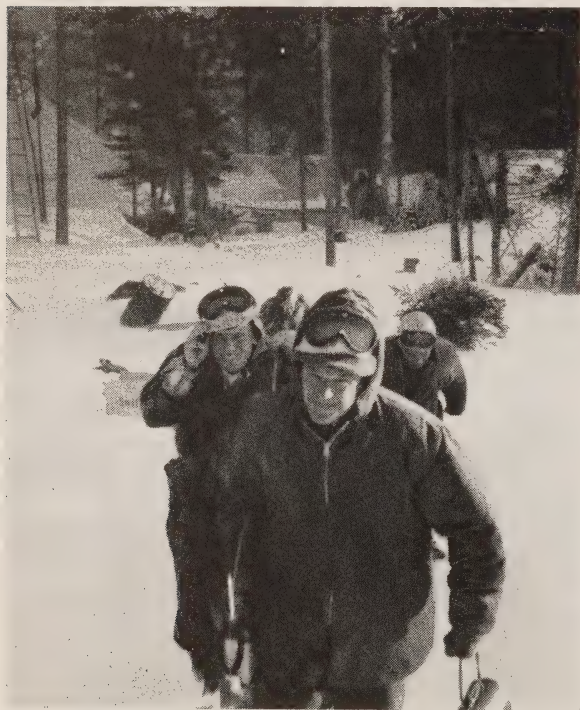
Operating Engineers Act

Representations were made to a special committee of the Legislature with a view to revising The Operating Engineers Act to bring it up to date in its application to thermal-electric generating plants, compressor plants, and other equipment of this kind.

Labour Relations

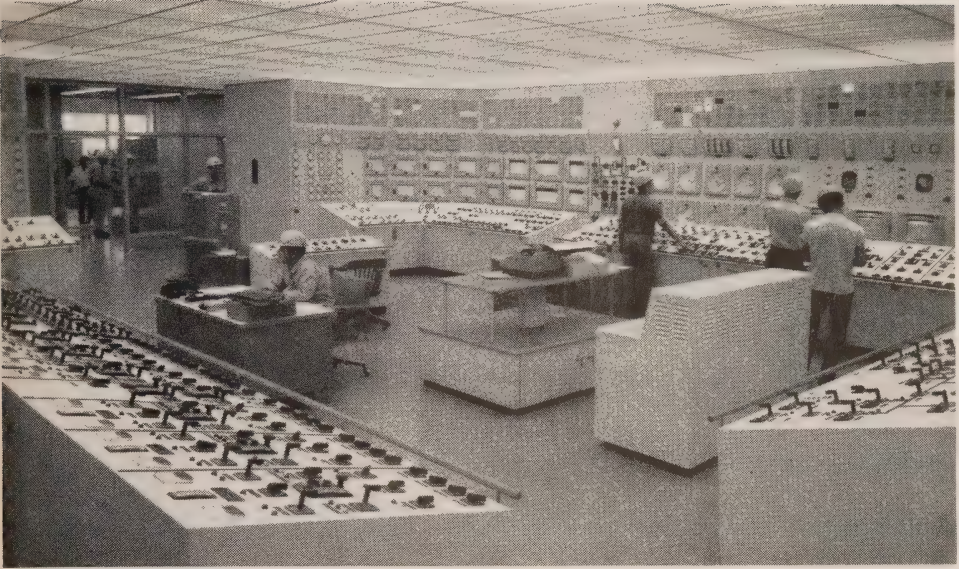
The collective agreement was renewed with the Ontario Hydro Employees Union, Local 1000 of the National Union of Public Service Employees (CLC),

which represents approximately 8,500 operating, maintenance, clerical, and technical employees of the Commission throughout the Province. The agreement is for a period of three years to end March 31, 1964. Though agreement on a large number of issues was achieved through negotiation, final settlement of certain major items, chiefly monetary, was accomplished by Mr. H. Carl Goldenberg, Q.C. He had been appointed as special arbitrator by Bill 163 of the Ontario Legislature to deal with a dispute of many months' standing between the Commission and the Union. The Bill, which prohibited strike action in this particular dispute, and enjoined compliance with the arbitrator's ruling, was automatically repealed upon the signing of the agreement.



LINE CONSTRUCTION — MANITOUWADGE TO HORNEPAYNE —
Ground crews were transported to and from the job by helicopters each day. Contact with the aircraft was maintained by portable radio.

Agreements were renewed with the Allied Construction Council, an association of craft unions representing Commission employees engaged in construction activities all across the province, and with the International Union of Operating Engineers representing stationary engineers at Head Office. Early in 1963 the Commission negotiated a renewal of the contract with the Canadian Union of Operating Engineers representing employees at the Richard L. Hearn and J. Clark Keith Generating Stations for a two-year period expiring July 1, 1964.



LAKEVIEW GENERATING STATION — The control-room for Units 1 and 2.

Medical Services

The Commission, through its Medical Services Division, provides and maintains medical facilities and services as required at isolated projects. It also, in addition to arranging for routine pre-employment and regular physical examinations, makes available clinical counselling and assistance to the larger groups of staff in the main centres of operation.

The field hospital at Little Long Generating Station provided medical care for approximately 1,500 persons engaged in work there. Medical-aid posts were operated at Otter Rapids Generating Station, along the extra-high-voltage line under construction, at Douglas Point Nuclear Power Station, and at Lakeview Generating Station. The isolation of workers engaged in the construction of long reaches of the extra-high-voltage line and of the line from Manitouwadge to Hornepayne presented unusual problems in the provision of medical services. On the extra-high-voltage line a mobile first-aid station was maintained as an essential requirement, and a number of vehicles, including one of the muskeg tractors, were equipped with stretcher facilities. A helicopter was available for use in emergencies. The casualty evacuation service functioned effectively.

In common with management in other forward-looking organizations, the Commission has come to look upon alcoholism as requiring therapy rather than disciplinary treatment. In its concern for the well-being of employees it has therefore given special attention to the control and treatment of this illness and to the early evidence of this condition in what is known as problem drinking. The discovery of problem cases is facilitated by the express recognition of the condition as a medical rather than a purely disciplinary problem.

Another important area of activity was the development of the radiation protection program at the Nuclear Power Demonstration plant, and the preparation of a lecture course in radiation protection training. Radiation protection regulations were drawn up and have now been approved by the Atomic Energy Control Board of Canada. These regulations applicable to operations in nuclear generating stations will form Part I of the two-part Regulations still to be completed, which will deal with all aspects of ionizing radiation.

The study of other occupational hazards related to, for example, heat and noise in thermal-electric stations, epoxy resins, and exhaust fumes has been continued.

Pension and Insurance Funds

The pension and insurance fund investments which the Commission holds in trust for the benefit of the employees, and the liabilities related to these investments, have been recorded in the past on the Commission's Balance Sheet. This practice was discontinued in 1962 as these investments and the related accounts do not form part of the Commission's general operations. The statement on the next page shows that at December 31, 1962 the pension and insurance fund amounted to \$141,251,553 and the savings and insurance fund to \$392,292.

Accident Prevention

For comparative purposes the accident experience during a given year is expressed according to the American Standards Association method of reporting frequency and severity of accidents per million man-hours worked. The frequency is quoted in terms of the number of lost-time injuries per million man-hours. The severity ratio is based either on the actual days lost or, with respect to permanent disabilities, on the number of days considered to be the equivalent of the various types of injury, again per million man-hours worked.

The accident frequency rate for 1962 rose slightly to 13 per million man-hours worked from the 1961 rate of 11, but was still well below the preceding five-year average. Special recognition by the National Safety Council will be given to the Northwestern Region where the frequency rate was reduced from seven in 1961 to one in 1962.

The accident severity rate for the Commission as a whole remained unchanged at 1,400 days lost or charged per million hours worked, and it too was well below the preceding five-year average.

The value of hard hats as a protection from serious injury was again effectively demonstrated in the experience of eleven employees, whose good fortune in escaping major bodily harm was recognized by Turtle Club awards.

The National Safety Council President's Medal and Certificate were awarded to Mr. Gordon Havercroft of the Commission's Construction Division for the successful resuscitation from drowning of a three-year-old boy. Mr. Leonard Brodie of the Central Region was given the Canadian Electrical Association Medal for the successful resuscitation of a fellow worker from electric shock.

The motor vehicle accident rate was reduced again for the eighth successive year, this time from 13 to 11 per million miles driven, the lowest rate yet achieved by the Commission, and no doubt a reflection of the effort being directed towards driver training and testing.

PENSION AND INSURANCE FUND

SAVINGS AND INSURANCE FUND

STATEMENT OF ASSETS

as at December 31, 1962

	Pension and Insurance Fund	Savings and Insurance Fund	Total
	\$	\$	\$
Investments (Note 1) :			
Bonds and stocks—			
Federal and provincial government and govern- ment-guaranteed bonds (par value \$122,272,000).....	120,109,990	354,887	120,464,877
Corporation bonds (par value \$7,970,000).....	7,956,632	.....	7,956,632
Stocks.....	6,518,222	.....	6,518,222
Total bonds and stocks— (approximate market value \$129,991,000) .	134,584,844	354,887	134,939,731
First mortgages on real estate.....	3,889,622	.....	3,889,622
Total investments.....	138,474,466	354,887	138,829,353
Accrued interest.....	1,670,301	2,350	1,672,651
Receivable from The Hydro-Electric Power Com- mission of Ontario.....	1,106,786	35,055	1,141,841
Total funds.....	141,251,553	392,292	141,643,845

NOTES :

1. In the above statement, bonds are included at amortized cost, stocks at cost and first mortgages on real estate at balance of principal outstanding.
2. Payments during 1962 into the Pension and Insurance Fund were made in amounts not less than those recommended by a consulting actuary, and payments during the year into the Savings and Insurance Fund were made as required by the Plan.

AUDITORS' REPORT

We have examined the statement of assets of The Hydro-Electric Power Commission of Ontario Pension and Insurance Fund and Savings and Insurance Fund as at December 31, 1962. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying statement presents fairly the assets of the Funds as at December 31, 1962.

CLARKSON, GORDON & CO.,
Chartered Accountants.

Toronto, Canada,
June 19, 1963.

Operators' Colony at Abitibi Canyon

The staffing of remote stations located far from the amenities of urban living presents the Commission from time to time with problems which are resolved in part by the provision of compensating attractive features in the community life of operators' colonies.

With a view to maintaining a high standard in the services provided, the Commission, with the co-operation and guidance of representatives of the community, has recently undertaken extensive improvements at the Abitibi Canyon Generating Station colony, first in an addition to the local school, and second in plans for the erection during 1963 of new community buildings.

APPENDIX I—OPERATIONS

THE tables in Appendix I are supplementary to the descriptive information on the year's operations given in Section I, and to information relating to the delivery of power and energy in wholesale quantities given in Section III.

The table of power resources and requirements gives for each system and in total the primary peak requirements for the month of December, and the dependable capacity of the Commission's resources at the time these peak requirements occurred. A separate table on pages 92 and 93 gives the December dependable capacity and maximum output of each Commission-owned station and each source of purchased power. The dependable capacity of a station is the net output which it can be expected to supply at the time of the system primary peak requirements, assuming that all units are available and that the supply of water is normal. This capacity may be recalculated from time to time in accordance with changing conditions. The capacity of a source of purchased power is based on the terms of the purchase contract.

The Analysis of Energy Sales on pages 96 and 97 shows how the kilowatt-hours generated or purchased by the Commission and the associated municipal utilities were distributed to the various classes of ultimate customers or to interconnected systems.

Statistics of peak loads and capacities are given, as elsewhere in the Report, in kilowatts rather than in horsepower. The kilowatt figures may be converted to horsepower by assuming that one horsepower is equivalent to 0.746 kilowatts.

THE COMMISSION'S POWER RESOURCES—1962

		Dependable Capacity*	Maximum Output*	Annual Energy Output (net)
East System		kw	kw	kwh
River	Hydro-Electric Generating Stations			
Niagara	‡Sir Adam Beck-Niagara No. 1.....	440,000	411,000	3,017,899,900
	Sir Adam Beck-Niagara No. 2.....	1,335,000	1,248,000	7,452,492,200
	Pumping-Generating Station.....	150,000	105,000	107,192,100
	†Ontario Power.....	72,000	136,800	169,267,000
	†Toronto Power.....	.....	80,000	32,092,200
Welland Canal	DeCew Falls No. 1.....	26,000	32,000	159,793,300
	DeCew Falls No. 2.....	130,000	139,000	919,467,100
	Adjustment to Niagara River stations to compensate for use of water by Ontario Hydro rather than by another producer.....	75,000	.....	.....
Muskoka	Ragged Rapids.....	7,500	8,100	31,244,150
	Big Eddy.....	7,100	8,400	29,382,420
South Muskoka	South Falls.....	4,200	4,500	20,038,620
	Trethewey Falls.....	1,600	1,650	8,601,600
	Hanna Chute.....	1,200	1,400	6,566,400
Beaver	Eugenia.....	5,400	1,250	5,506,600
Severn	Big Chute.....	4,300	4,320	24,762,800
Saugeen	Hanover.....	250	.....	636,870
Trent	Heely Falls.....	11,150	11,925	61,155,470
	Ranney Falls.....	8,350	8,750	52,062,900
	Meyersburg.....	5,100	5,850	35,190,210
	Sidney.....	3,350	3,625	18,793,800
	Hagues Reach.....	3,250	3,800	22,239,380
	Seymour.....	2,950	3,100	19,020,480
	Frankford.....	2,550	3,100	15,177,600
	Sills Island.....	1,550	900	5,679,890
Otonabee	Auburn.....	1,750	1,852	10,379,040
	Lakefield.....	1,650	1,815	8,646,090
St. Lawrence	Robert H. Saunders-St. Lawrence.....	659,000	754,000	5,541,085,000
Ottawa	Des Joachims.....	372,000	375,000	1,897,550,400
	Otto Holden.....	210,000	203,000	997,167,400
	Chenaux.....	117,000	111,000	595,493,200
	Chats Falls (Ontario half).....	82,000	86,000	429,533,100
Madawaska	Stewartville.....	63,000	61,000	174,937,100
	Barrett Chute.....	42,000	41,500	163,201,600
	Calabogie.....	4,400	4,560	24,719,040
Mississippi	High Falls.....	2,450	2,775	9,043,200
	Galetta.....	800	585	3,112,280
Rideau	Merrickville.....	600	600	2,306,300
Abitibi	‡Abitibi Canyon.....	232,000	178,000	1,304,112,800
	Otter Rapids.....	89,500	88,500	523,726,000
	Adjustment for temporary limitation in 60-cycle transmission capacity from Abitibi River stations.....	50,500	.....	.....
Mississagi	George W. Rayner.....	47,000	46,050	298,951,170
	Red Rock Falls.....	42,200	40,500	178,858,700
Mattagami	†Wawaitein.....	10,800	10,200	63,809,816
	†Lower Sturgeon.....	6,000	4,400	41,945,668
	†Sandy Falls.....	2,700	2,800	19,142,748
Montreal	Upper Notch.....	8,400	4,260	49,321,400
	Hound Chute.....	3,600	2,300	26,919,200
	Indian Chute.....	3,000	2,950	18,450,800
	Fountain Falls.....	2,000	2,040	15,489,446
Wanapitei	Stinson.....	5,700	5,170	25,993,150
	Coniston.....	4,100	2,930	24,305,220
	McVittie.....	2,200	2,120	13,456,080
Matabitchuan	Matabitchuan.....	10,000	9,200	55,023,000
Sturgeon	Crystal Falls.....	8,200	2,300	36,179,100
South	Nipissing.....	1,600	1,540	7,896,300
	Elliott Chute.....	1,400	1,450	4,073,370
	Bingham Chute.....	900	890	3,435,620
Total hydro-electric.....		4,135,550	.....	24,568,142,128
Location	Thermal-Electric Generating Stations			
Windsor	J. Clark Keith.....	250,000	248,750	558,386,300
Toronto	Richard L. Hearn.....	1,208,000	973,500	2,222,741,100
	Lakeview.....	282,000	565,000	858,884,400
Rolphton	Nuclear Power Demonstration.....	.....	13,600	22,184,600
Chapleau	Chapleau (diesel-electric).....	1,000	656	1,160,000
Hornepayne	Hornepayne (diesel-electric).....	.....	.....	1,949,600
Total thermal-electric.....		1,741,000	.....	3,665,306,000
Total generated—East System.....		5,876,550	.....	28,233,448,128

THE COMMISSION'S POWER RESOURCES—1962

		Dependable Capacity*	Maximum Output*	Annual Energy Output (net)
		kw	kw	kwh
East System—Continued				
<i>Sources of Purchased Power</i>				
Detroit Edison Company.....			262,000	480,252,000
†Niagara Mohawk Power Corporation.....			485,000	2,039,376,000
†Canadian Niagara Power Company, Limited.....		15,000	17,000	58,000
Power Authority of the State of New York.....			244,000	184,156,000
†Quebec Hydro-Electric Commission.....		187,000	405,000	3,055,589,733
Gatineau Power Company.....		239,000	240,400	1,282,755,900
MacLaren-Quebec Power Company.....		93,000	101,000	644,565,000
Ottawa Valley Power Company.....		82,000	86,000	431,106,900
†Abitibi Power & Paper Company, Limited.....			9,720	6,753,760
Great Lakes Power Corporation, Limited.....			6,500	81,226,000
Miscellaneous (relatively small suppliers).....		1,500	32,800	34,733,810
Total purchased—East System.....		617,500		8,240,573,103
West System				
<i>River</i>	<i>Hydro-Electric Generating Stations</i>			
Nipigon	Pine Portage.....	119,200	126,000	645,190,880
	Cameron Falls.....	76,700	75,700	448,556,100
	Alexander.....	60,900	63,700	361,186,320
English	Caribou Falls.....	79,300	78,000	409,993,000
	Manitou Falls.....	65,700	66,000	281,903,200
	Ear Falls.....	15,900	17,600	85,273,600
Kaministiquia	Silver Falls.....	45,100	46,400	239,605,000
	Kakabeka Falls.....	25,000	23,500	157,246,300
	Whitedog Falls.....	61,700	69,000	418,000,000
Winnipeg	Aguaabon.....	44,000	46,500	294,891,490
Albany	Rat Rapids.....			2,600
Total hydro-electric.....		593,500		3,341,848,490
<i>Location</i>	<i>Thermal-Electric Generating Station</i>			
Fort William	Thunder Bay.....			12,002,000
Total generated—West System.....		593,500		3,353,850,490
<i>Sources of Purchased Power</i>				
Ontario Minnesota Pulp & Paper Company.....				10,942,800
Manitoba Hydro-Electric Board.....			32,200	45,683,043
Total purchased—West System.....			32,200	56,625,843
Total generated.....		6,470,050		31,587,298,618
Total purchased.....		617,500		8,297,198,946
Total generated and purchased.....		7,087,550		39,884,497,564

*The power capacity and output referred to in this table are 20-minute peaks for the month of December. Since the various maximum outputs do not coincide, their sum is not the peak load of the system.

†25 cycle.

‡25 and 60 cycle.

POWER RESOURCES

		DECEMBER DEPENDABLE		
		Commission Stations		
		Hydro-Electric	Thermal-Electric†	Total
		kw	kw	kw
East System.....	1962	4,135,550	1,741,000	5,876,550
	1961	4,146,150	1,373,600	5,519,750
Net increase or decrease.....		10,600	367,400	356,800
West System.....	1962	593,500	0	593,500
	1961	593,500	0	593,500
Net increase or decrease.....		0	0	0
Total.....	1962	4,729,050	1,741,000	6,470,050
	1961	4,739,650	1,373,600	6,113,250

*The capacities shown are those available for a 20-minute period at the times of system primary peak demand in December, the capacity of sources of purchased power being based on the terms of the purchase contract. Requirements shown are the December coincident peaks for each system and their arithmetic sum.

Energy Made Available by the Commission

		1961	1962	Increase or decrease
		kwh	kwh	per cent
EAST SYSTEM				
Generated (net)				
hydro-electric.....	27,255,665,152		24,568,142,128	9.9
thermal- and diesel-electric	518,052,280		3,665,306,000	....
Total generated.....	27,773,717,432		28,233,448,128	1.7
Purchased.....	6,945,313,975		8,240,573,103	18.6
Primary.....		31,171,682,325	33,030,430,007	6.0
Secondary.....		3,547,349,082	3,443,591,224	2.9
Total.....	34,719,031,407	34,719,031,407	36,474,021,231	5.1
WEST SYSTEM				
Generated (net)				
hydro-electric.....	3,326,941,700		3,341,848,490	0.4
thermal-electric.....			12,002,000	....
Total generated.....	3,326,941,700		3,353,850,490	0.8
Purchased.....	166,280,100		56,625,843	65.9
Primary.....		2,689,678,320	2,752,225,157	2.3
Secondary.....		803,543,480	658,251,176	18.1
Total.....	3,493,221,800	3,493,221,800	3,410,476,333	2.4
TOTAL				
Generated (net)				
hydro-electric.....	30,582,606,852		27,909,990,618	8.7
thermal- and diesel-electric	518,052,280		3,677,308,000	....
Total generated.....	31,100,659,132		31,587,298,618	1.6
Purchased.....	7,111,594,075		8,297,198,946	16.7
Primary.....		33,861,360,645	35,782,655,164	5.7
Secondary.....		4,350,892,562	4,101,842,400	5.7
Total.....	38,212,253,207	38,212,253,207	39,884,497,564	4.4

AND REQUIREMENTS

CAPACITY*		Primary Power Requirements*	Reserve	Ratio of Reserve to Requirements
Sources of Purchased Power	Total Dependable Capacity*			
kw	kw	kw	kw	per cent
617,500	6,494,050	5,857,241	636,809	10.9
617,500	6,137,250	5,526,399	610,851	11.1
0	356,800	330,842	.....	....
0	593,500	435,710	157,790	36.2
3,000	596,500	422,418	174,082	41.2
3,000	3,000	13,292	.....	....
617,500	7,087,550	6,292,951	†	†
620,500	6,733,750	5,948,817	†	†

†There is no interconnection between the East and West Systems.

†Includes diesel-electric.

ENERGY SALES

Municipal Electrical Utilities during 1962

SALES BY THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO			
To Retail Customers		To Direct Customers	Total
In Certain Towns and Villages Served by Commission Distribution Facilities	In Rural Areas		
kwh	kwh	kwh	kwh
128,173,194	1,153,182,400	.....	9,005,834,065
.....	83,051,000	.....	83,051,000
128,173,194	1,236,233,400	.....	9,088,885,065
63,237,879	343,061,600	.....	3,976,933,992
21,464,400	418,959,700	8,377,174,312	17,501,121,013
.....	.....	475,963,395	475,963,395
.....	971,696,100	.....	971,696,100
3,197,600	14,653,900	.....	309,340,528
.....	.....	366,031,507	366,031,507
.....	.....	3,533,736,919	3,533,736,919
216,073,073	2,984,604,700	12,752,906,133	36,223,708,519
.....	.....	1,160,000	.....
.....	.....	.....	855,902,583
.....	.....	.....	198,329,160
.....	.....	.....	197,704,089
216,073,073	2,984,604,700	12,754,066,133	36,683,577,853
14,052,906	261,026,020	275,078,926
.....	2,925,840,785
.....	39,884,497,564

APPENDIX II—FINANCIAL

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FIXED
Statement Showing Changes during

Property	IN		
	Balance January 1, 1962	Changes	
		Placed in Service	Equipment Relocated and Reclassified
	\$	\$	\$
Power Supply Facilities			
HYDRO-ELECTRIC GENERATING STATIONS			
Niagara River			
Sir Adam Beck-Niagara No. 1.....	86,985,753	164,403	72,942
Sir Adam Beck-Niagara No. 2.....	264,965,997	141,361	161,582
Pumping-Generating Station.....	40,237,197	.....	.....
River Remedial Works and Control Structure.....	6,038,606	1,189,300	.....
Ontario Power.....	21,966,517	19,481	.....
Toronto Power.....	11,547,825	.....	.....
Welland Canal			
DeCew Falls.....	27,453,653	15,306	.....
St. Lawrence River			
Robert H. Saunders-St. Lawrence..	299,554,942	2,000,000	.....
Ottawa River			
Des Joachims.....	73,453,950	1,207,591	.....
Otto Holden.....	58,187,813	683,883	.....
Chenault.....	29,354,577	383,006	.....
Chats Falls.....	8,228,906	52,128	.....
Ogoki Diversion.....	5,052,955	.....	.....
Madawaska River			
Stewartville.....	12,446,476	100,295	.....
Barrett Chute.....	4,879,670	.....	.....
Abitibi River			
Abitibi Canyon.....	21,119,872	481,619	.....
Otter Rapids.....	28,291,761	282,225	.....
Mississagi River			
George W. Rayner.....	18,571,553	732	.....
Red Rock Falls.....	16,699,476	177,081	.....
Mattagami River			
Little Long.....	.....	.....	.....
Nipigon River			
Pine Portage.....	31,975,169	6,091	.....
Cameron Falls.....	15,584,696	12,689	.....
Alexander.....	11,853,731	1,937	.....
English River			
Caribou Falls.....	23,717,658	137,817	41,221
Manitou Falls.....	15,510,339	6,217	.....
Kaministiquia River			
Silver Falls.....	15,947,039	3,034	.....
Winnipeg River			
Whitedog Falls.....	21,247,413	76	.....
Aguasabon River			
Aguasabon.....	12,687,259	11,202	.....
Other properties.....	54,058,133	525,662	72,258
Total hydro-electric generating stations.....	1,237,618,936	7,038,686	202,119

ASSETS

Year 1962 and Balances at December 31, 1962

SERVICE				
during Year				
Sales and Retirements	Balance December 31, 1962	Under Construction December 31, 1962	Total Fixed Assets December 31, 1962	Expenditures during 1962
\$	\$	\$	\$	\$
19,052	87,058,162	254,413	87,312,575	269,049
37,103	265,231,837	464,413	265,696,250	135,274
.....	40,237,197	33,283	40,270,480	33,283
.....	7,227,906	1,727,466	8,955,372	1,510,560
.....	21,985,998	.....	21,985,998	9,921
.....	11,547,825	.....	11,547,825	.....
4,813	27,464,146	.....	27,464,146	11,824
47,358	301,507,584	42,141	301,549,725	1,685,571
.....	74,661,541	9,377	74,670,918	741,669
36,692	58,835,004	5,760	58,840,764	421,420
1,940	29,735,643	270	29,735,913	233,468
3,891	8,277,143	97,875	8,375,018	115,196
.....	5,052,955	.....	5,052,955	.....
307	12,546,464	.....	12,546,464	75,141
.....	4,879,670	250	4,879,920	250
.....	21,601,491	86,037	21,687,528	524,111
.....	28,009,536	3,557,261	31,566,797	2,813,904
25	18,572,260	13,828	18,586,088	10,338
.....	16,876,557	5,441	16,881,998	50,901
.....	.....	41,066,534	41,066,534	19,877,633
.....	31,981,260	7,230	31,988,490	5,442
6,174	15,591,211	17,467	15,608,678	16,271
44,875	11,810,793	3,329	11,814,122	5,266
.....	23,896,696	182,651	24,079,347	100,822
.....	15,516,556	.....	15,516,556	6,217
.....	15,950,073	55,216	16,005,289	5,574
.....	21,247,489	180,631	21,428,120	12,914
.....	12,698,461	114,152	12,812,613	26,718
105,143	54,550,910	4,460,212	59,011,122	1,296,721
307,373	1,244,552,368	52,385,237	1,296,937,605	29,995,458

FIXED
Statement Showing Changes during

Property	IN		
	Balance January 1, 1962	Changes	
		Placed in Service	Equipment Relocated and Reclassified
	\$	\$	\$
Power Supply Facilities (Continued)			
THERMAL-ELECTRIC GENERATING STATIONS			
J. Clark Keith.....	46,395,662	115,984	.....
Richard L. Hearn.....	145,832,592	1,006,563	112,238
Lakeview.....	38,750,000	250,000	110,750
Thunder Bay.....	.....	.....	.....
Douglas Point Nuclear Power Station —Ontario Hydro Contribution.....	.....	.....	.....
Other properties.....	1,008,437	25,351	7,095
Total thermal-electric generating stations.....	231,986,691	1,397,898	8,583
Total generating stations.....	1,469,605,627	8,436,584	193,536
TRANSFORMER STATIONS.....	273,361,909	9,300,048	156,430
TRANSMISSION LINES.....	281,779,567	6,538,191	46,082
COMMUNICATION EQUIPMENT.....	14,070,948	331,111	328,371
RETAIL DISTRIBUTION PLANT AND EQUIPMENT.....	278,067,458	17,720,614	24,487
Total power supply facilities.....	2,316,885,509	42,326,548	.....
Administrative and Service Land, Buildings, and Equipment			
LAND AND BUILDINGS.....	29,352,719	1,838,043	.....
OFFICE AND SERVICE EQUIPMENT.....	8,580,155	1,745,720	.....
Total administrative and service land, buildings, and equipment.....	37,932,874	3,583,763	.....
TOTAL FIXED ASSETS.....	2,354,818,383	45,910,311	.....

Changes in Assets under Construction during 1962

Under construction at January 1, 1962.....	\$ 106,790,874
Expenditures during 1962.....	114,424,292
	<u>\$ 221,215,166</u>
Less placed in service during 1962.....	45,910,311
Under construction at December 31, 1962.....	<u><u>\$ 175,304,855</u></u>

ASSETS

Year 1962 and Balances at December 31, 1962

SERVICE				
during Year				
Sales and Retirements	Balance December 31, 1962	Under Construction December 31, 1962	Total Fixed Assets December 31, 1962	Expenditures during 1962
\$	\$	\$	\$	\$
.....	46,511,646	42,122	46,553,768	139,468
160,781	146,566,136	42,618	146,608,754	421,706
.....	39,110,750	58,206,571	97,317,321	25,817,202
.....	.....	26,556,236	26,556,236	2,535,797
.....	.....	1,720,021	1,720,021	504,266
65,948	960,745	1,222,447	2,183,192	327,479
226,729	233,149,277	87,790,015	320,939,292	29,745,918
534,102	1,477,701,645	140,175,252	1,617,876,897	59,741,376
2,370,386	280,448,001	7,812,879	288,260,880	11,754,280
1,612,570	286,659,106	23,293,534	309,952,640	21,117,475
617,793	13,455,895	643,595	14,099,490	406,868
3,563,495	292,249,064	2,452,286	294,701,350	18,102,361
8,698,346	2,350,513,711	174,377,546	2,524,891,257	111,122,360
55,513	31,135,249	927,309	32,062,558	1,556,212
265,054	10,060,821	.....	10,060,821	1,745,720
320,567	41,196,070	927,309	42,123,379	3,301,932
9,018,913	2,391,709,781	175,304,855	2,567,014,636	114,424,292

Summary of Sales and Retirements during 1962

Charged to accumulated depreciation	\$6,727,617
Charged to construction in progress	91,586
Charged to operations	61,077
Proceeds from sales	2,138,633
	<u>9,018,913</u>

ACCUMULATED DEPRECIATION
For the Year Ended December 31, 1962

	POWER SUPPLY FACILITIES		Administrative and Service Buildings and Equipment	Total
	Generation, Transformation, Transmission, and Communications	Retail Distribution		
	\$	\$	\$	\$
Balances at January 1, 1962	230,216,460	65,430,397	9,606,294	305,253,151
Add:				
Interest at 3% per annum on accumulated depre- ciation on plant not fully depreciated.	6,077,844	1,918,996	99,408	8,096,248
Provision in the year				
—direct.	19,746,056	8,507,756		28,253,812
—indirect.	11,413		1,111,226	1,122,639
Adjustments.	156,854	142,898	76	299,828
	256,208,627	76,000,047	10,817,004	343,025,678
Deduct:				
Cost of fixed assets retired less proceeds from sales	3,424,804	3,090,850	211,963	6,727,617
Frequency standardization costs.	80,071			80,071
Excess of removal costs over salvage recoveries on assets retired.	384,621	26,729	46	357,938
	3,889,496	3,064,121	212,009	7,165,626
Balances at December 31, 1962.	252,319,131 (Note 1)	72,935,926	10,604,995	335,860,052

NOTES

1. This balance includes a special allowance for estimated capital losses and other costs in connection with 25-cycle equipment to be retired or converted as a result of frequency standardization. A summary of the charges against this special allowance in 1962 is noted below:

Balance at January 1, 1962. \$4,210,393

Deduct charges in 1962:

Losses incurred on retirement of 25-cycle
equipment (included above in "Cost of
fixed assets retired less proceeds from
sales") \$ 402,243
Other frequency standardization costs. 80,071

482,314

Balance at December 31, 1962. \$3,728,079

2. The depreciation shown in the Statement of Operations consists of the following amounts:

Direct provision in the year. \$28,253,812
Interest. \$8,096,248
Less interest on administrative and service
buildings and equipment. 99,408
7,996,840
\$36,250,652

FREQUENCY STANDARDIZATION ACCOUNT

For the Year Ended December 31, 1962

	Former Southern Ontario System	Former Northern Ontario Properties	Total
	\$	\$	\$
Balances at January 1, 1962.....	178,864,517	3,336,883	182,201,400
Add interest for year.....	6,779,652	166,638	6,946,290
	185,644,169	3,503,521	189,147,690
Less amortization charged to cost of power.....	16,934,962	913,795	17,848,757
Balances at December 31, 1962.....	168,709,207	2,589,726	171,298,933

EXCHANGE DISCOUNT (NET) ON FUNDED DEBT

For the Year Ended December 31, 1962

	Discount	Premium	Net Discount
	\$	\$	\$
Exchange discount and premium on funded debt issued in United States funds:			
Balances at January 1, 1962.....	6,096,661	4,893,389	1,203,272
Less discount and premium at time of issue on bonds redeemed during 1962.....	45,029	19,671	25,358
Balances at December 31, 1962.....	6,051,632	4,873,718	1,177,914

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FUNDED DEBT AS AT DECEMBER 31, 1962

Date of Maturity	Callable on or after	Date of Issue	Interest Rate	Principal Outstanding Dec. 31, 1962
PAYABLE IN CANADIAN FUNDS — <i>Guaranteed as to principal and interest by the Province of Ontario:</i>				
Mar. 1, 1963	Mar. 1, 1961	Mar. 1, 1948	3%	\$ 29,593,000
Mar. 1, 1963	Mar. 1, 1962	Mar. 1, 1955	3	22,650,000
Oct. 15, 1963	.....	Oct. 15, 1958	4	18,878,000
May 15, 1964	.....	Nov. 15, 1957	5	13,117,500
May 15, 1964	May 15, 1962	May 15, 1954	3	13,638,500
July 2, 1964	July 2, 1960	July 2, 1948	3	37,255,500
Oct. 15, 1964	Oct. 15, 1963	Oct. 15, 1956	4½	12,916,000
Apr. 1, 1965	Apr. 1, 1964	Apr. 1, 1957	5	17,387,500
Dec. 15, 1965	Dec. 15, 1963	Dec. 15, 1948	3	42,567,000
Jan. 15, 1966	Jan. 15, 1964	Jan. 15, 1956	3¾	11,579,500
Mar. 1, 1966	Mar. 1, 1965	Mar. 1, 1958	4	34,393,500
May 1, 1966	May 1, 1964	May 1, 1951	3½	25,826,000
Jan. 15, 1967	Jan. 15, 1965	Jan. 15, 1952	4	39,676,000
Mar. 15, 1967	Mar. 15, 1964	Mar. 15, 1953	4¼	30,276,000
Apr. 1, 1967	Apr. 1, 1965	Apr. 1, 1949	3	41,487,500
Apr. 1, 1967	Apr. 1, 1964	Apr. 1, 1947	2¾	14,327,000
Nov. 1, 1967	Nov. 1, 1964	Nov. 1, 1952	4¼	18,403,000
Nov. 1, 1967	Nov. 1, 1964	Nov. 1, 1952	4¼	27,739,500
Jan. 15, 1968	Jan. 15, 1966	July 15, 1949	3	42,085,000
Apr. 15, 1968	Apr. 15, 1966	Apr. 15, 1952	4	40,780,000
Oct. 1, 1968	Oct. 1, 1965	Oct. 1, 1947	2¾	19,213,000
July 1, 1969	.....	July 1, 1959	5¾	12,913,000
July 15, 1969	July 15, 1966	July 15, 1953	4¼	31,393,000
July 15, 1969	July 15, 1966	July 15, 1953	4¼	22,559,000
Nov. 1, 1969	Nov. 1, 1967	Nov. 1, 1949	3	49,173,000
Jan. 1, 1970	.....	Jan. 1, 1930	4¾	9,964,000
Feb. 15, 1970	.....	Feb. 15, 1960	6	15,964,000
Apr. 1, 1970	Apr. 1, 1968	Apr. 1, 1950	3	52,768,000
June 15, 1970	.....	June 15, 1962	4½	13,500,000
July 15, 1970	.....	July 15, 1960	5¼	5,390,000
Oct. 15, 1970	.....	Oct. 15, 1958	4½	5,270,000
Feb. 15, 1971	Oct. 15, 1969	Feb. 15, 1961	5¼	5,300,000
June 1, 1971	June 1, 1961	June 1, 1946	2¾	18,035,000
Nov. 15, 1971	.....	Nov. 15, 1961	4¾	7,150,000
June 15, 1973	June 15, 1971	June 15, 1950	3	54,300,000
July 15, 1974	July 15, 1972	July 15, 1956	4	49,591,000
Oct. 15, 1974	Oct. 15, 1972	Oct. 15, 1956	4½	26,592,500
Aug. 15, 1975	Aug. 15, 1972	Feb. 15, 1957	4¾	35,968,000
Jan. 15, 1976	Jan. 15, 1974	Jan. 15, 1956	4	50,000,000
Nov. 15, 1976	Nov. 15, 1974	Nov. 15, 1957	5	36,005,000
Mar. 1, 1977	Mar. 1, 1975	Mar. 1, 1955	3½	39,200,000
Apr. 1, 1977	Apr. 1, 1974	Apr. 1, 1957	5	80,374,500
Mar. 1, 1978	Mar. 1, 1976	Mar. 1, 1958	4½	35,984,000
Oct. 15, 1978	Oct. 15, 1976	Oct. 15, 1958	5	49,200,000
May 15, 1979	May 15, 1974	May 15, 1954	3½	35,000,000
July 1, 1979	.....	July 1, 1959	5¾	37,000,000
Oct. 15, 1979	Oct. 15, 1974	Oct. 15, 1954	3½	49,975,000
Feb. 15, 1980	Feb. 15, 1978	Feb. 15, 1960	6	34,000,000
July 15, 1980	July 15, 1978	July 15, 1960	5½	44,585,000
Feb. 15, 1981	Feb. 15, 1979	Feb. 15, 1961	5½	44,700,000
June 15, 1982	June 15, 1979	June 15, 1962	5	36,500,000
Nov. 15, 1983	Nov. 15, 1980	Nov. 15, 1961	5¼	42,800,000
				1,584,943,000

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
FUNDED DEBT AS AT DECEMBER 31, 1962—Concluded

Date of Maturity	Callable on or after	Date of Issue	Interest Rate	Principal Outstanding Dec. 31, 1962
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PAYABLE IN UNITED STATES FUNDS — *Held by Province of Ontario and having terms identical with issues sold in the United States by the Province of Ontario on behalf of the Commission:*

			%	\$
Mar. 15, 1963	Mar. 15, 1959	Mar. 15, 1954	2 $\frac{3}{4}$	2,539,000
Mar. 15, 1964	Mar. 15, 1959	Mar. 15, 1954	2.80	2,504,000
May 15, 1971	May 15, 1956	May 15, 1951	3 $\frac{1}{4}$	48,991,000
Sept. 1, 1972	Sept. 1, 1956	Sept. 1, 1951	3 $\frac{1}{4}$	42,750,000
Feb. 1, 1975	Feb. 1, 1958	Feb. 1, 1953	3 $\frac{1}{4}$	47,181,000
Nov. 1, 1978	Nov. 1, 1958	Nov. 1, 1953	3 $\frac{5}{8}$	48,966,000
Mar. 15, 1980	Mar. 15, 1959	Mar. 15, 1954	3 $\frac{1}{8}$	29,920,000
May 15, 1981	May 15, 1961	May 15, 1956	3 $\frac{7}{8}$	44,390,000
Feb. 1, 1984	Feb. 1, 1969	Feb. 1, 1959	4 $\frac{3}{4}$	74,600,000

341,841,000

Total funded debt (at par of exchange)..... 1,926,784,000

Summary of Changes in Funded Debt during the Year Ended December 31, 1962

Outstanding at January 1, 1962.....	\$1,905,826,000
Less redemptions during year.....	29,042,000
	<u>\$1,876,784,000</u>
Add new bond issue during year.....	50,000,000
Outstanding at December 31, 1962.....	<u>\$1,926,784,000</u>

ADVANCES FROM THE PROVINCE OF ONTARIO AS AT DECEMBER 31, 1962

Annuity bonds repayable to the Province in accordance with the terms of Province of Ontario bonds issued in part for the purposes of the Commission

Date of Maturity	Interest Rate	Balances of Advances Outstanding December 31, 1962 (Payable in Canadian, United States, or Sterling Funds)
	%	\$
May 15, 1963-1968.....	4	3,218,220
May 15, 1963-1970.....	4 $\frac{1}{2}$	3,608,610
Jan. 15, 1963-1971.....	4 $\frac{1}{2}$	2,256,798
June 1, 1963-1971.....	4	3,121,562
Total advances (at par of exchange).....	...	12,205,190

Summary of Changes in Advances from the Province of Ontario during the Year Ended December 31, 1962

Balance of advances at January 1, 1962.....	\$13,662,357
Less repayments during year.....	1,457,167
Balance of advances at December 31, 1962.....	<u>\$12,205,190</u>

RESERVE FOR STABILIZATION

For the Year Ended

	HELD FOR THE BENEFIT OF ALL CUSTOMERS
	\$
Balances at January 1, 1962.....	147,808,765
Add :	
Interest for year on reserve balances.....	6,255,026
Profit on redemption of funded debt and sale of investments, net.....	221,440
Excess of amounts billed to direct customers over cost.....	
	154,285,231
Deduct :	
Withdrawals in the year applied in reduction of cost of power.....	16,468,962
Excess of retail costs over amounts billed.....	
	16,468,962
Balances at December 31, 1962.....	137,816,269

STATEMENT OF EQUITIES ACCUMULATED THROUGH

For the Year Ended

Balances at January 1, 1962.....

Add :

Interest at 4% per annum.....

Provision in the year—direct.....

—indirect.....

Equity transferred through annexations.....

Deduct credits resulting from matured sinking funds :

Interest.....

Principal.....

Balances at December 31, 1962.....

NOTES

1. Unallocated sinking fund equities at January 1, 1962 comprised \$46,893,895 contributed by persons previously served for the account of the Province of Ontario, and \$4,304,841 accumulated through sinking fund provisions in respect of administrative and service buildings and equipment. The amounts contributed by such persons and provided in respect of such assets in 1962 and the related sinking fund credits have been allocated to Municipalities and the Rural Power District.

OF RATES AND CONTINGENCIES

December 31, 1962

HELD FOR THE BENEFIT OF CERTAIN GROUPS OF CUSTOMERS					
Municipalities		Direct Customers		Retail Customers	TOTAL
Low-Voltage Cost Relief	Former Thunder Bay System	Within Municipalities	Outside Municipalities		
\$ 1,081,163	\$ 492,711	\$ 2,300,604	\$ 5,001,088	\$ 1,375,511	\$ 158,059,842
43,247	20,838	97,298	211,508	58,174	6,686,091
.....	.....	612,829	1,796,601	.....	221,440
.....	.....	.....	.....	.....	2,409,430
1,124,410	513,549	3,010,731	7,009,197	1,433,685	167,376,803
43,247	81,563	.....	.....	265,755	16,593,772
.....	.....	.....	.....	.....	265,755
43,247	81,563	.....	.....	265,755	16,859,527
1,081,163	431,986	3,010,731	7,009,197	1,167,930	150,517,276

SINKING FUND PROVISIONS AND INTEREST

December 31, 1962

ALLOCATED		UNALLOCATED (Note 1)		Total
Municipalities (Note 2)	Rural Power District	Province of Ontario	Administrative and Service Buildings and Equipment	
\$ 297,240,278	\$ 53,622,641	\$ 46,893,895	\$ 4,304,841	\$ 402,061,655
11,889,611	2,144,906	1,875,756	172,193	16,082,466
15,468,109	7,869,964	.....	.....	23,338,073
236,951	89,450	.....	.....	326,401
17,367	17,367	.....	.....	.....
324,852,316	63,709,594	48,769,651	4,477,034	441,808,595
2,737,473	27,365	.....	.....	2,764,838
720,640	7,204	.....	.....	727,844
3,458,113	34,569	.....	.....	3,492,682
321,394,203	63,675,025	48,769,651	4,477,034	438,315,913

2. Sinking fund equities accumulated by individual municipalities are shown on pages 128 to 135.
3. The sinking fund provision shown in the Statement of Operations consists of the following amounts:
- | | |
|--|---------------------|
| Direct provision in the year | \$23,338,073 |
| Less principal portion of credits resulting from matured sinking funds | 727,844 |
| | <u>\$22,610,229</u> |

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COST OF			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardi- zation	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt- hours	\$	\$	\$	\$
Acton.....	4,242.9	20,885.9	174,867	21,214	4,603	191,478
Ailsa Craig.....	351.3	1,556.9	15,427	1,757	3,189	13,995
Ajax.....	6,109.9	34,238.7	242,219			242,219
Alexandria.....	2,069.9	10,268.2	92,744		722	92,022
Alfred.....	557.3	2,622.4	23,134			23,134
Alliston.....	2,128.8	12,029.0	99,092		263	98,829
Almonte.....	1,819.6	9,102.3	76,118			76,118
Alvinston.....	238.1	967.2	10,488	1,190	320	11,358
Amherstburg.....	3,186.9	18,436.3	137,580	15,935	1,569	151,946
Ancaster Twp.....	2,188.2	10,854.0	87,692	10,941		98,633
Apple Hill.....	94.5	408.8	4,104		90	4,014
Arkona.....	336.4	1,544.5	14,855	1,682		16,537
Arnprior.....	4,188.3	21,329.2	176,322			176,322
Arthur.....	782.1	3,523.3	34,202		3,794	30,408
Athens.....	428.0	2,228.8	18,868			18,868
Atikokan.....	3,819.5	22,247.5	168,882			168,882
Aurora.....	5,633.4	31,377.4	220,482	28,167		248,649
Avonmore.....	167.7	700.4	6,987			6,987
Aylmer.....	4,269.7	21,162.3	165,291	21,348	2,462	184,177
Ayr.....	705.2	3,279.6	31,221	3,526	1,754	32,993
Baden.....	827.3	3,399.8	32,227	4,137	3,786	32,578
Bancroft.....	1,335.7	5,434.6	57,534			57,534
Barrie.....	18,857.8	101,200.7	721,708		10,334	711,374
Barry's Bay.....	420.2	1,923.6	18,767			18,767
Bath.....	342.9	1,640.9	15,263			15,263
Beachburg.....	342.8	1,645.2	14,417			14,417
Beachville.....	2,155.3	13,967.8	90,186	10,776	4,662	96,300
Beamsville.....	1,479.3	7,359.6	60,397	7,397		67,794
Beaverton.....	1,205.0	6,002.8	54,495		3,936	50,559
Beeton.....	457.4	2,242.4	22,433		199	22,234
Belle River.....	663.2	3,408.0	30,279	3,316		33,595
Belleville.....	22,818.9	130,019.7	880,976			880,976
Blenheim.....	1,496.8	7,376.0	63,688	7,484	3,886	67,286
Bloomfield.....	452.2	1,783.6	18,031			18,031
Blyth.....	712.2	3,457.2	31,831	3,561		35,392
Bobcaygeon.....	808.0	3,971.2	35,946			35,946
Bolton.....	1,176.0	6,494.6	53,155	5,880	3,230	55,805
Bothwell.....	389.2	1,858.0	17,207	1,946	3,126	16,027
Bowmanville.....	6,322.8	33,416.2	247,875			247,875
Bracebridge.....	364.2	1,365.1	13,914			13,914

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1962

PRIMARY POWER				RATES		
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance Refunded or Charged	Interim	Actual	
				per Kw per Annum	per Kw per Annum	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$
12,729	178,749	182,444.71	3,695.71	43.00	42.13	8.56
1,054	12,941	13,877.09	936.09	39.50	36.83	8.31
18,330	223,889	221,484.45	2,404.55	36.25	36.64	6.54
6,209	85,813	86,935.10	1,122.10	42.00	41.46	8.36
1,672	21,462	21,037.14	424.86	37.75	38.51	8.18
6,386	92,443	96,860.41	4,417.41	45.50	43.42	7.69
5,459	70,659	70,419.19	239.81	38.70	38.83	7.76
714	10,644	10,954.13	310.13	46.00	44.71	11.00
9,561	142,385	146,597.02	4,212.02	46.00	44.68	7.72
6,564	92,069	93,874.15	1,805.15	42.90	42.08	8.48
283	3,731	3,712.23	18.77	39.30	39.48	9.13
1,009	15,528	15,892.93	364.93	47.25	46.16	10.05
12,565	163,757	163,344.37	412.63	39.00	39.10	7.68
2,346	28,062	31,673.39	3,611.39	40.50	35.88	7.96
1,284	17,584	17,548.35	35.65	41.00	41.08	7.89
11,458	157,424	171,115.11	13,691.11	44.80	41.22	7.08
16,901	231,748	248,432.23	16,684.23	44.10	41.14	7.39
503	6,484	6,540.32	56.32	39.00	38.66	9.26
12,809	171,368	177,618.83	6,250.83	41.60	40.13	8.10
2,115	30,878	31,171.68	293.68	44.20	43.79	9.42
2,482	30,096	32,016.84	1,920.84	38.70	36.38	8.85
4,008	53,526	56,100.10	2,574.10	42.00	40.07	9.85
56,574	654,800	678,879.00	24,079.00	36.00	34.72	6.47
1,260	17,507	18,280.89	773.89	43.50	41.66	9.10
1,029	14,234	14,127.12	106.88	41.20	41.51	8.67
1,028	13,389	13,025.43	363.57	38.00	39.06	8.14
6,466	89,834	95,262.80	5,428.80	44.20	41.68	6.43
4,438	63,356	64,644.31	1,288.31	43.70	42.83	8.61
3,615	46,944	49,405.35	2,461.35	41.00	38.96	7.82
1,372	20,862	21,133.83	271.82	46.20	45.61	9.30
1,990	31,605	31,636.26	31.26	47.70	47.66	9.27
68,457	812,519	796,906.83	15,612.17	34.92	35.61	6.25
4,490	62,796	65,258.31	2,462.31	43.60	41.95	8.51
1,357	16,674	17,319.27	645.27	38.30	36.87	9.35
2,137	33,255	33,649.87	394.87	47.25	46.69	9.62
2,424	33,522	33,611.43	89.43	41.60	41.49	8.44
3,528	52,277	52,682.94	405.94	44.80	44.45	8.05
1,167	14,860	15,411.00	551.00	39.60	38.18	8.00
18,969	228,906	224,458.53	4,447.47	35.50	36.20	6.85
1,092	12,822	14,568.01	1,746.01	40.00	35.21	9.39

STATEMENT OF THE ALLOCATION OF THE
for the Year

Municipality	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COST OF			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardi- zation	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt- hours	\$	\$	\$	\$
Bradford.....	1,809.1	9,540.0	78,902	.....	139	78,763
Braeside.....	1,708.1	6,921.8	62,951	.....	.....	62,951
Brampton.....	16,323.6	88,589.7	625,462	81,618	15,769	691,311
Brantford.....	42,414.5	229,958.5	1,593,246	212,072	76,117	1,729,201
Brantford Twp.....	6,155.7	31,285.1	245,934	30,779	.....	276,713
Brechin.....	139.0	630.0	6,260	.....	1,782	4,478
Bridgeport.....	837.1	4,127.5	34,188	4,185	.....	38,373
Brigden.....	244.8	1,096.2	10,798	1,224	686	11,336
Brighton.....	1,496.1	7,598.7	60,279	.....	.....	60,279
Brockville.....	15,784.9	84,950.9	593,166	.....	17,214	575,952
Brussels.....	611.2	2,846.4	27,104	3,056	.....	30,160
Burford.....	805.2	3,659.0	32,591	4,026	1,833	34,784
Burgessville.....	216.2	745.6	8,394	1,081	628	8,847
Burks Falls.....	669.4	3,191.4	29,812	.....	.....	29,812
Burlington.....	32,306.4	175,043.7	1,269,785	161,532	.....	1,431,317
Cache Bay.....	515.2	1,459.2	19,474	.....	.....	19,474
Caledonia.....	1,026.1	5,331.2	42,620	5,131	1,592	46,159
Campbellford.....	1,166.8	2,831.8	37,075	.....	.....	37,075
Campbellville.....	166.0	683.2	6,879	830	5	7,704
Cannington.....	616.7	2,988.8	28,750	.....	2,929	25,821
Capreol.....	1,824.8	9,666.8	78,233	.....	.....	78,233
Cardinal.....	890.2	4,506.0	38,528	.....	.....	38,528
Carleton Place.....	3,258.4	17,715.4	147,661	.....	.....	147,661
Casselman.....	763.7	3,075.2	32,806	.....	.....	32,806
Cayuga.....	462.4	2,256.6	20,282	2,312	.....	22,594
Chalk River.....	479.5	2,508.4	19,939	.....	.....	19,939
Chatham.....	21,278.7	107,783.6	782,487	106,393	45,218	843,662
Chatsworth.....	265.9	1,198.0	11,439	.....	606	10,833
Chesley.....	1,261.3	5,442.4	53,342	.....	4,854	48,488
Chesterville.....	1,519.9	7,120.8	66,823	.....	3,524	63,299
Chippawa.....	1,358.0	6,956.8	55,538	6,790	1,166	61,162
Clifford.....	353.8	1,776.8	15,884	1,769	.....	17,653
Clinton.....	2,239.3	11,376.8	91,710	11,197	4,103	98,804
Cobden.....	682.5	3,056.4	26,611	.....	.....	26,611
Cobourg.....	9,674.7	50,654.5	374,184	.....	.....	374,184
Cochrane.....	2,643.5	13,870.9	92,484	.....	.....	92,484
Colborne.....	960.9	4,917.6	43,586	.....	.....	43,586
Coldwater.....	540.1	2,681.3	23,435	.....	1,147	22,288
Collingwood.....	6,361.9	32,308.8	262,657	.....	15,503	247,154
Comber.....	330.7	1,296.0	14,203	1,653	2,562	13,294

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1962

PRIMARY POWER				RATES		
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance Refunded or Charged	Interim	Actual	
				per Kw per Annum	per Kw per Annum	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$
5,428	73,335	74,896.06	1,561.06	41.40	40.54	7.69
5,124	57,827	57,648.40	178.60	33.75	33.85	8.35
48,970	642,341	638,250.79	4,090.21	39.10	39.35	7.25
127,244	1,601,957	1,637,200.67	35,243.67	38.60	37.77	6.97
18,467	258,246	264,692.95	6,446.95	43.00	41.95	8.25
417	4,061	4,309.00	248.00	31.00	29.22	6.45
2,511	35,862	36,164.52	302.52	43.20	42.84	8.69
735	10,601	10,377.75	223.25	42.40	43.41	9.67
4,488	55,791	57,149.74	1,358.74	38.20	37.29	7.34
47,355	528,597	527,214.28	1,382.72	33.40	33.49	6.22
1,833	28,327	28,879.99	552.99	47.25	46.35	9.95
2,416	32,368	33,576.86	1,208.86	41.70	40.20	8.85
648	8,199	8,670.63	471.63	40.10	37.93	11.00
2,008	27,804	29,922.56	2,118.56	44.70	41.54	8.71
96,920	1,334,397	1,364,943.63	30,546.63	42.25	41.30	7.62
1,545	17,929	20,607.00	2,678.00	40.00	34.80	12.29
3,078	43,081	43,608.89	527.89	42.50	41.99	8.08
3,500	33,575	38,921.10	5,346.10	33.36	28.77	11.86
498	7,206	7,554.93	348.93	45.50	43.41	10.55
1,850	23,971	25,470.06	1,499.06	41.30	38.87	8.02
5,475	72,758	79,377.01	6,619.01	43.50	39.87	7.53
2,671	35,857	36,498.56	641.56	41.00	40.28	7.96
9,775	137,886	140,111.57	2,225.57	43.00	42.32	7.78
2,291	30,515	31,694.59	1,179.59	41.50	39.96	9.92
1,387	21,207	21,360.58	153.58	46.20	45.86	9.40
1,439	18,500	18,844.05	344.05	39.30	38.58	7.38
63,836	779,826	808,589.02	28,763.02	38.00	36.65	7.24
798	10,035	11,087.70	1,052.70	41.70	37.74	8.38
3,784	44,704	49,063.61	4,359.61	38.90	35.44	8.21
4,559	58,740	58,516.80	223.20	38.50	38.65	8.25
4,074	57,088	60,024.70	2,936.70	44.20	42.04	8.21
1,062	16,591	17,157.29	566.29	48.50	46.89	9.34
6,718	92,086	96,513.47	4,427.47	43.10	41.12	8.09
2,048	24,563	24,569.40	6.40	36.00	35.99	8.04
29,024	345,160	348,289.50	3,129.50	36.00	35.68	6.81
7,930	84,554	97,808.27	13,254.27	37.00	31.99	6.10
2,883	40,703	40,932.94	229.94	42.60	42.36	8.28
1,620	20,668	21,064.59	396.59	39.00	38.27	7.71
19,086	228,068	233,481.12	5,413.12	36.70	35.85	7.06
992	12,302	12,896.02	594.02	39.00	37.20	9.49

STATEMENT OF THE ALLOCATION OF THE
for the Year

Municipality	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COST OF			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardi- zation	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt- hours	\$	\$	\$	\$
Coniston.....	1,127.5	5,735.4	43,833	.....	.....	43,833
Cookstown.....	358.5	1,640.4	15,779	.....	123	15,656
Cottam.....	255.6	1,236.4	10,798	1,278	.....	12,076
Courtright.....	164.1	766.8	7,075	821	.....	7,896
Creemore.....	519.5	2,414.4	21,909	.....	1,283	20,626
Dashwood.....	306.2	1,257.0	13,345	1,531	582	14,294
Deep River.....	3,546.1	19,425.6	142,013	.....	.....	142,013
Delaware.....	222.7	975.2	9,460	1,113	370	10,203
Delhi.....	2,499.8	12,626.0	101,526	12,499	.....	114,025
Deseronto.....	1,011.7	5,117.1	46,028	.....	.....	46,028
Dorchester.....	471.4	2,142.4	19,087	2,357	471	20,973
Drayton.....	400.6	1,721.4	16,846	2,003	633	18,216
Dresden.....	1,483.6	7,402.0	63,994	7,418	3,014	68,398
Drumbo.....	255.6	1,003.2	11,139	1,278	538	11,879
Dryden.....	2,903.1	17,624.0	130,169	.....	.....	130,169
Dublin.....	321.6	1,324.4	12,946	1,608	347	14,207
Dundalk.....	600.1	2,871.2	28,692	.....	1,301	27,391
Dundas.....	9,006.4	44,761.9	332,019	45,032	16,383	360,668
Dunnville.....	3,526.1	18,843.6	149,991	17,631	3,655	163,967
Durham.....	1,641.3	7,198.2	70,318	.....	4,136	66,182
Dutton.....	380.2	1,868.0	18,780	1,901	2,152	18,529
East York Twp.....	36,755.4	205,705.5	1,401,074	183,777	.....	1,584,851
Eganville.....	579.1	2,930.7	24,992	.....	.....	24,992
Elmira.....	3,993.1	19,052.7	145,585	19,965	7,576	157,974
Elmvale.....	617.7	3,067.2	27,545	.....	1,782	25,763
Elmwood.....	184.1	699.8	8,256	.....	20	8,236
Elora.....	856.1	3,986.7	37,434	4,281	4,840	36,875
Embro.....	374.7	1,772.0	16,014	1,873	1,480	16,407
Erieau.....	412.7	2,167.2	18,347	2,064	.....	20,411
Erie Beach.....	70.2	253.2	2,923	351	.....	3,274
Erin.....	595.0	2,883.0	26,374	.....	.....	26,374
Espanola.....	2,472.1	12,552.7	95,394	.....	.....	95,394
Essex.....	1,633.8	8,641.2	66,930	8,169	907	74,192
Etobicoke Twp.....	122,297.9	733,060.8	4,794,336	611,489	6,433	5,399,392
Exeter.....	2,290.3	10,945.7	101,393	11,452	4,876	107,969
Fergus.....	3,692.5	16,419.0	146,330	18,462	4,389	160,403
Finch.....	283.3	1,164.8	12,221	.....	.....	12,221
Flesherton.....	412.4	1,642.0	16,436	.....	766	15,670
Fonthill.....	1,218.5	6,072.0	50,500	6,093	.....	56,593
Forest.....	1,447.4	8,444.0	65,760	7,237	1,607	71,390

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1962

PRIMARY POWER				RATES		
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance Refunded or Charged	Interim	Actual	
				per Kw per Annum	per Kw per Annum	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$
3,383	40,450	44,648.67	4,198.67	39.60	35.88	7.05
1,075	14,581	15,415.85	834.85	43.00	40.67	8.89
766	11,310	11,144.90	165.10	43.60	44.25	9.15
493	7,403	7,484.10	81.10	45.60	45.11	9.65
1,559	19,067	19,741.32	674.32	38.00	36.70	7.90
918	13,376	13,565.77	189.77	44.30	43.68	10.64
10,638	131,375	129,432.09	1,942.91	36.50	37.05	6.76
668	9,535	9,752.09	217.09	43.80	42.82	9.78
7,500	106,525	109,739.77	3,214.77	43.90	42.61	8.44
3,035	42,993	44,313.93	1,320.93	43.80	42.50	8.40
1,414	19,559	20,742.34	1,183.34	44.00	41.49	9.13
1,202	17,014	17,305.92	291.92	43.20	42.47	9.88
4,451	63,947	65,280.23	1,333.23	44.00	43.10	8.64
766	11,113	11,424.21	311.21	44.70	43.48	11.08
8,709	121,460	132,963.13	11,503.13	45.80	41.84	6.89
965	13,242	13,569.40	327.40	42.20	41.18	10.00
1,800	25,591	25,506.03	84.97	42.50	42.64	8.91
27,019	333,649	351,248.97	17,599.97	39.00	37.05	7.45
10,579	153,388	156,909.99	3,521.99	44.50	43.50	8.14
4,924	61,258	63,683.40	2,425.40	38.80	37.32	8.51
1,140	17,389	17,716.17	327.17	46.60	45.74	9.31
110,267	1,474,584	1,466,541.16	8,042.84	39.90	40.12	7.17
1,737	23,255	23,046.84	208.16	39.80	40.16	7.93
11,979	145,995	155,329.98	9,334.98	38.90	36.56	7.66
1,853	23,910	24,708.34	798.34	40.00	38.71	7.80
552	7,684	7,621.08	62.92	41.40	41.74	10.98
2,568	34,307	36,555.83	2,248.83	42.70	40.07	8.61
1,124	15,283	15,738.10	455.10	42.00	40.79	8.62
1,238	19,173	19,519.14	346.14	47.30	46.46	8.85
211	3,063	3,141.07	78.07	44.75	43.63	12.10
1,785	24,589	25,108.65	519.65	42.20	41.33	8.53
7,416	87,978	98,883.99	10,905.99	40.00	35.59	7.01
4,901	69,291	70,741.73	1,450.73	43.30	42.41	8.02
366,894	5,032,498	5,075,363.20	42,865.20	41.50	41.15	6.87
6,871	101,098	104,209.41	3,111.41	45.50	44.14	9.24
11,077	149,326	155,824.93	6,498.93	42.20	40.44	9.09
850	11,371	11,558.64	187.64	40.80	40.14	9.76
1,237	14,433	15,011.96	578.96	36.40	35.00	8.79
3,656	52,937	52,698.33	238.67	43.25	43.44	8.72
4,342	67,048	70,052.54	3,004.54	48.40	46.32	7.94

STATEMENT OF THE ALLOCATION OF THE
for the Year

Municipality	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COST OF			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardi- zation	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt- hours	\$	\$	\$	\$
Forest Hill.....	14,124.8	76,119.0	530,296	70,624	.....	600,920
Fort William.....	34,529.6	213,837.1	1,348,969	.....	.....	1,348,969
Frankford.....	801.8	4,043.3	32,916	.....	.....	32,916
Galt.....	24,686.7	129,770.7	915,159	123,433	55,086	983,506
Georgetown.....	8,059.2	45,681.9	325,149	40,296	11,405	354,040
Glencoe.....	590.5	2,888.0	26,611	2,953	894	28,670
Goderich.....	6,395.6	32,923.5	267,362	31,978	12,290	287,050
Grand Bend.....	791.1	3,688.4	34,750	3,955	17	38,688
Grand Valley.....	477.3	2,034.1	21,668	.....	1,657	20,011
Granton.....	112.1	476.6	4,766	561	1,164	4,163
Gravenhurst.....	2,376.1	12,526.3	101,381	.....	1,742	99,639
Grimsby.....	3,063.6	16,298.0	129,499	15,318	.....	144,817
Guelph.....	35,519.7	192,157.0	1,319,100	177,598	65,149	1,431,549
Hagersville.....	1,602.1	6,602.4	66,188	8,011	7,767	66,432
Hamilton.....	359,054.7	2,341,169.4	14,232,291	1,551,350	263,936	15,519,705
Hanover.....	4,172.6	18,836.6	162,765	.....	17,192	145,573
Harriston.....	1,256.2	6,724.7	54,689	6,281	4,698	56,272
Harrow.....	1,285.1	6,746.4	57,199	6,426	303	63,322
Hastings.....	490.6	2,381.6	20,678	.....	.....	20,678
Havelock.....	585.2	2,946.0	25,399	.....	.....	25,399
Hawkesbury.....	3,652.0	19,195.3	136,770	.....	.....	136,770
Hearst.....	1,375.0	6,795.2	58,847	.....	.....	58,847
Hensall.....	820.6	3,832.8	35,749	4,103	1,761	38,091
Hespeler.....	5,714.5	28,854.2	217,662	28,572	6,988	239,246
Highgate.....	202.4	762.0	8,640	1,012	1,142	8,510
Holstein.....	119.7	468.0	5,206	.....	205	5,001
Huntsville.....	2,346.5	13,295.8	103,197	.....	8,218	94,979
Ingersoll.....	5,669.3	27,714.0	227,315	28,347	18,853	236,809
Iroquois.....	797.5	3,997.4	32,468	.....	.....	32,468
Jarvis.....	354.8	1,685.2	15,559	1,774	.....	17,333
Kapuskasing.....	3,903.4	18,518.8	146,742	.....	.....	146,742
Kemptville.....	1,710.8	8,470.0	76,670	.....	.....	76,670
Killaloe Station.....	282.5	1,348.8	12,587	.....	.....	12,587
Kincardine.....	2,219.2	11,617.0	100,455	.....	71	100,384
King City.....	515.3	2,562.5	21,680	2,576	.....	24,256
Kingston.....	40,894.2	232,881.2	1,565,060	.....	.....	1,565,060
Kingsville.....	1,822.3	9,121.3	73,405	9,112	980	81,537
Kirkfield.....	102.0	419.2	4,520	.....	552	3,968
Kitchener.....	72,106.0	381,995.4	2,474,983	360,528	110,220	2,725,291
Lakefield.....	1,412.7	7,020.0	58,343	.....	.....	58,343

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1962

PRIMARY POWER		Amounts Billed at Interim Rates	Balance <i>Refunded</i> or Charged	RATES		
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated			Interim	Actual	
				per Kw per Annum	per Kw per Annum	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$
42,375	558,545	570,643.59	12,098.59	40.40	39.54	7.34
138,118	1,210,851	1,232,706.15	21,855.15	35.70	35.07	5.66
2,406	30,510	30,788.16	278.16	38.40	38.05	7.55
74,060	909,446	933,156.00	23,710.00	37.80	36.84	7.01
24,177	329,863	340,097.18	10,234.18	42.20	40.93	7.22
1,772	26,898	27,633.06	735.06	46.80	45.55	9.31
19,187	267,863	275,010.08	7,147.08	43.00	41.88	8.14
2,373	36,315	36,706.26	391.26	46.40	45.90	9.85
1,432	18,579	20,331.21	1,752.21	42.60	38.93	9.13
336	3,827	4,316.81	489.81	38.50	34.14	8.03
7,129	92,510	94,092.90	1,582.90	39.60	38.93	7.39
9,191	135,626	138,780.32	3,154.32	45.30	44.27	8.32
106,559	1,324,990	1,314,227.75	10,762.25	37.00	37.30	6.90
4,807	61,625	64,886.42	3,261.42	40.50	38.47	9.33
1,077,164	14,442,541	14,434,000.31	8,540.69	40.20	40.22	6.17
12,517	133,056	148,127.02	15,071.02	35.50	31.89	7.06
3,768	52,504	53,137.62	633.62	42.30	41.80	7.81
3,855	59,467	59,758.72	291.72	46.50	46.27	8.81
1,471	19,207	19,625.01	418.01	40.00	39.15	8.06
1,756	23,643	24,284.78	641.78	41.50	40.40	8.03
10,956	125,814	126,723.23	909.23	34.70	34.45	6.55
4,125	54,722	61,875.75	7,153.75	45.00	39.80	8.05
2,462	35,629	36,928.16	1,299.16	45.00	43.42	9.30
17,143	222,103	228,008.92	5,905.92	39.90	38.87	7.70
607	7,903	8,296.35	393.35	41.00	39.05	10.37
360	4,641	4,836.23	195.23	40.40	38.77	9.92
7,039	87,940	97,378.04	9,438.04	41.50	37.48	6.61
17,008	219,801	235,843.22	16,042.22	41.60	38.77	7.93
2,393	30,075	30,305.64	230.64	38.00	37.71	7.52
1,065	16,268	16,710.33	442.33	47.10	45.85	9.65
11,710	135,032	140,522.40	5,490.40	36.00	34.59	7.29
5,132	71,538	72,365.44	827.44	42.30	41.82	8.45
847	11,740	11,609.75	130.25	41.10	41.56	8.70
6,658	93,726	99,199.76	5,473.76	44.70	42.23	8.07
1,546	22,710	24,474.37	1,764.37	47.50	44.07	8.86
122,683	1,442,377	1,427,207.29	15,169.71	34.90	35.27	6.19
5,467	76,070	77,265.17	1,195.17	42.40	41.74	8.34
306	3,662	4,230.92	568.92	41.50	35.90	8.74
216,318	2,508,973	2,595,814.20	86,841.20	36.00	34.80	6.57
4,238	54,105	52,975.34	1,129.66	37.50	38.30	7.71

STATEMENT OF THE ALLOCATION OF THE
for the Year

Municipality	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COST OF			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardi- zation	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt- hours	\$	\$	\$	\$
Lambeth.....	973.5	4,524.2	40,863	4,867	874	44,856
Lanark.....	365.2	1,782.8	15,840	.....	.....	15,840
Lancaster.....	271.5	1,373.5	12,026	.....	98	11,928
Larder Lake Twp.....	922.8	4,731.4	42,606	.....	.....	42,606
Latchford.....	211.8	1,045.8	9,281	.....	.....	9,281
Leamington.....	6,179.9	33,954.6	255,486	30,900	1,154	285,232
Lindsay.....	9,001.1	51,834.6	391,856	.....	.....	391,856
Listowel.....	3,428.8	16,933.6	138,126	17,144	8,344	146,926
London.....	112,582.0	653,543.9	4,323,444	562,908	244,436	4,641,916
Long Branch.....	6,521.7	35,821.5	258,271	32,608	.....	290,879
L'Orignal.....	427.2	2,062.5	17,116	.....	.....	17,116
Lucan.....	584.6	2,707.6	26,109	2,923	3,484	25,548
Lucknow.....	801.8	3,588.8	35,725	.....	41	35,684
Lynden.....	315.2	1,414.2	13,288	1,576	2,272	12,592
Madoc.....	924.7	4,628.4	41,827	.....	.....	41,827
Magnetawan.....	86.1	397.0	3,956	.....	.....	3,956
Markdale.....	791.2	3,631.2	32,935	.....	1,162	31,773
Markham.....	3,040.0	14,772.3	122,549	15,200	955	136,794
Marmora.....	752.5	3,806.4	33,707	.....	.....	33,707
Martintown.....	170.1	663.3	6,961	.....	.....	6,961
Massey.....	484.6	2,565.3	22,682	.....	.....	22,682
Maxville.....	515.2	2,113.3	24,069	.....	179	23,890
McGarry.....	913.3	4,374.2	38,150	.....	.....	38,150
Meaford.....	2,939.0	15,314.4	133,803	.....	.....	133,803
Merlin.....	319.5	1,531.2	13,767	1,598	.....	15,365
Merrickville.....	482.5	2,462.3	20,963	.....	.....	20,963
Midland.....	8,339.9	44,351.9	337,719	.....	13,879	323,840
Mildmay.....	489.4	2,274.2	20,800	.....	.....	20,800
Millbrook.....	456.2	2,163.8	21,358	.....	.....	21,358
Milton.....	3,927.0	21,973.2	166,902	19,635	15,152	171,385
Milverton.....	885.1	3,659.0	38,523	4,425	6,575	36,373
Mimico.....	8,798.0	48,493.9	338,617	43,990	9,691	372,916
Mitchell.....	1,965.8	9,949.1	80,514	9,829	4,215	86,128
Moorefield.....	279.0	1,200.0	11,518	1,395	379	12,534
Morrisburg.....	1,296.8	6,644.0	52,836	.....	.....	52,836
Mount Brydges.....	384.9	1,730.4	16,122	1,925	772	17,275
Mount Forest.....	2,104.7	9,739.2	90,595	.....	3,610	86,985
Napanee.....	3,456.1	17,308.8	149,627	.....	.....	149,627
Neustadt.....	308.5	1,179.7	12,319	.....	102	12,217
Newboro.....	106.0	466.3	4,391	.....	.....	4,391

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1962

PRIMARY POWER				RATES		
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance <i>Refunded</i> or Charged	Interim	Actual	
				per Kw per Annum	per Kw per Annum	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$
2,920	41,936	42,443.50	507.50	43.60	43.08	9.27
1,096	14,744	14,789.28	45.28	40.50	40.37	8.27
814	11,114	11,348.69	234.69	41.80	40.94	8.09
2,768	39,838	42,541.11	2,703.11	46.10	43.17	8.42
636	8,645	9,107.05	462.05	43.00	40.82	8.27
18,540	266,692	276,860.27	10,168.27	44.80	43.15	7.85
27,004	364,852	365,446.37	594.37	40.60	40.53	7.04
10,286	136,640	141,267.93	4,627.93	41.20	39.85	8.07
337,746	4,304,170	4,435,730.17	131,560.17	39.40	38.23	6.59
19,565	271,314	270,652.27	661.73	41.50	41.60	7.57
1,281	15,835	16,875.06	1,040.06	39.50	37.07	7.68
1,754	23,794	25,895.95	2,101.95	44.30	40.70	8.79
2,405	33,279	35,281.03	2,002.03	44.00	41.51	9.27
946	11,646	12,071.86	425.86	38.30	36.95	8.24
2,774	39,053	39,484.71	431.71	42.70	42.23	8.44
258	3,698	3,840.06	142.06	44.60	42.95	9.31
2,374	29,399	32,438.86	3,039.86	41.00	37.16	8.10
9,120	127,674	136,193.12	8,519.12	44.80	42.00	8.64
2,258	31,449	31,602.90	153.90	42.00	41.79	8.26
510	6,451	6,430.13	20.87	37.80	37.92	9.73
1,454	21,228	23,382.36	2,154.36	48.25	43.81	8.28
1,546	22,344	22,924.93	580.93	44.50	43.37	10.57
2,740	35,410	39,273.33	3,863.33	43.00	38.77	8.10
8,817	124,986	129,905.65	4,919.65	44.20	42.53	8.16
958	14,407	14,442.93	35.93	45.20	45.09	9.41
1,447	19,516	19,782.84	266.84	41.00	40.45	7.93
25,020	298,820	300,235.80	1,415.80	36.00	35.83	6.74
1,468	19,332	19,577.32	245.32	40.00	39.50	8.50
1,369	19,989	19,618.42	370.58	43.00	43.82	9.24
11,781	159,604	166,110.00	6,506.00	42.30	40.64	7.26
2,655	33,718	35,934.05	2,216.05	40.60	38.10	9.22
26,394	346,522	356,320.04	9,798.04	40.50	39.39	7.15
5,898	80,230	83,349.56	3,119.56	42.40	40.81	8.06
837	11,697	11,829.66	132.66	42.40	41.92	9.75
3,890	48,946	49,279.05	333.05	38.00	37.74	7.37
1,155	16,120	16,667.99	547.99	43.30	41.88	9.32
6,314	80,671	83,767.73	3,096.73	39.80	38.33	8.28
10,368	139,259	142,563.09	3,304.09	41.25	40.29	8.05
925	11,292	11,937.01	645.01	38.70	36.60	9.57
318	4,073	3,954.74	118.26	37.30	38.42	8.73

STATEMENT OF THE ALLOCATION OF THE
for the Year

Municipality	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COST OF			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardi- zation	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt- hours	\$	\$	\$	\$
Newburgh.....	268.3	1,225.0	11,940	.....	.....	11,940
Newbury.....	124.1	574.6	5,458	620	302	5,776
Newcastle.....	888.4	4,354.2	35,521	.....	.....	35,521
New Hamburg.....	1,396.2	6,715.2	60,011	6,981	4,526	62,466
Newmarket.....	6,710.7	35,591.3	263,404	33,554	10	296,948
New Toronto.....	28,141.5	162,754.9	1,107,414	140,706	29,102	1,219,018
Niagara.....	1,637.0	8,827.9	67,642	8,185	2,290	73,537
Niagara Falls.....	16,676.0	93,082.9	638,354	83,380	51,811	669,923
Nipigon.....	1,614.8	9,787.7	66,465	.....	.....	66,465
North Bay.....	15,208.4	86,944.2	608,617	.....	.....	608,617
North York Twp.....	182,414.0	1,049,160.3	6,951,970	912,072	8	7,864,034
Norwich.....	881.4	4,555.2	39,696	4,407	4,711	39,392
Norwood.....	616.0	2,934.4	26,555	.....	.....	26,555
Oakville.....	45,020.8	275,950.4	1,807,191	225,104	.....	2,032,295
Oil Springs.....	273.9	1,635.4	12,956	1,370	2,622	11,704
Omemece.....	397.4	2,030.7	18,666	.....	.....	18,666
Orangeville.....	3,421.8	17,650.5	154,413	.....	4,497	149,916
Orillia.....	5,497.8	33,392.1	253,065	.....	.....	253,065
Orono.....	551.3	2,613.9	23,222	.....	.....	23,222
Oshawa.....	70,800.5	396,262.4	2,646,331	.....	.....	2,646,331
Ottawa.....	178,925.6	970,542.1	6,709,000	.....	209	6,708,791
Otterville.....	399.1	1,882.8	16,412	1,995	952	17,455
Owen Sound.....	11,934.5	64,210.4	476,307	.....	19,492	456,815
Paisley.....	476.8	2,212.5	19,994	.....	.....	19,994
Palmerston.....	1,134.3	6,019.0	42,539	5,672	4,235	43,976
Paris.....	3,625.9	17,774.1	136,233	18,129	13,641	140,721
Parkhill.....	897.4	4,283.2	40,004	4,487	763	43,728
Parry Sound.....	2,474.4	15,657.8	113,546	.....	.....	113,546
Penetanguishene.....	2,578.6	14,791.2	110,355	.....	7,824	102,531
Perth.....	4,229.3	21,011.6	179,543	.....	.....	179,543
Peterborough.....	36,896.5	224,757.5	1,477,533	.....	.....	1,477,533
Petrolia.....	1,735.9	8,838.9	78,694	8,680	11,362	76,012
Petrolia Waterworks.....	152.7	738.2	6,362	763	.....	7,125
Pickering.....	889.0	4,511.6	36,700	.....	.....	36,700
Picton.....	3,764.9	19,429.3	158,425	.....	.....	158,425
Plattsville.....	664.0	2,881.6	27,148	3,320	1,068	29,400
Point Edward.....	4,487.1	19,201.6	164,708	22,436	1,822	185,322
Port Arthur.....	41,772.3	216,378.8	1,547,813	.....	.....	1,547,813
Port Burwell.....	264.6	1,220.4	11,566	1,323	47	12,842
Port Colborne.....	7,330.7	41,014.7	294,712	36,653	7,982	323,383

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1962

PRIMARY POWER				RATES		
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance Refunded or Charged	Interim	Actual	
				per Kw per Annum	per Kw per Annum	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$
805	11,135	11,135.15	.15	41.50	41.50	9.09
372	5,404	5,622.12	218.12	45.30	43.55	9.40
2,665	32,856	32,514.56	341.44	36.60	36.98	7.55
4,189	58,277	59,198.88	921.88	42.40	41.74	8.68
20,132	276,816	278,495.43	1,679.43	41.50	41.25	7.78
84,424	1,134,594	1,142,543.22	7,949.22	40.60	40.32	6.97
4,911	68,626	72,028.38	3,402.38	44.00	41.92	7.77
50,028	619,895	650,364.36	30,469.36	39.00	37.17	6.66
6,459	60,006	59,424.33	581.67	36.80	37.16	6.13
45,625	562,992	585,524.99	22,532.99	38.50	37.02	6.48
547,242	7,316,792	7,394,387.19	77,595.19	40.54	40.11	6.97
2,645	36,747	37,722.13	975.13	42.80	41.70	8.07
1,848	24,707	26,116.98	1,409.98	42.40	40.11	8.42
135,062	1,897,233	1,917,886.10	20,653.10	42.60	42.14	6.88
822	10,882	11,502.40	620.40	42.00	39.73	6.65
1,193	17,473	17,088.55	384.45	43.00	43.97	8.60
10,266	139,650	146,280.53	6,630.53	42.75	40.81	7.91
16,493	236,572	218,812.80	17,759.20	39.80	43.03	7.08
1,654	21,568	21,501.36	66.64	39.00	39.12	8.25
212,401	2,433,930	2,449,695.88	15,765.88	34.60	34.38	6.14
536,776	6,172,015	6,119,255.26	52,759.74	34.20	34.49	6.36
1,197	16,258	16,604.29	346.29	41.60	40.74	8.64
35,804	421,011	427,254.22	6,243.22	35.80	35.28	6.56
1,430	18,564	19,118.01	554.01	40.10	38.93	8.39
3,403	40,573	42,422.52	1,849.52	37.40	35.77	6.74
10,878	129,843	137,420.37	7,577.37	37.90	35.81	7.31
2,692	41,036	41,638.97	602.97	46.40	45.73	9.58
7,423	106,123	106,892.28	769.28	43.20	42.89	6.78
7,736	94,795	92,828.10	1,966.90	36.00	36.76	6.41
12,688	166,855	167,902.89	1,047.89	39.70	39.45	7.94
110,690	1,366,843	1,328,274.00	38,569.00	36.00	37.05	6.08
5,208	70,804	74,645.50	3,841.50	43.00	40.79	8.01
458	6,667	6,780.99	113.99	44.40	43.66	9.03
2,667	34,033	34,669.73	636.73	39.00	38.28	7.54
11,294	147,131	148,712.24	1,581.24	39.50	39.08	7.57
1,992	27,408	28,285.37	877.37	42.60	41.28	9.51
13,461	171,861	178,363.56	6,502.56	39.75	38.30	8.95
167,089	1,380,724	1,391,017.32	10,293.32	33.30	33.05	6.38
794	12,048	12,305.46	257.46	46.50	45.53	9.87
21,992	301,391	311,554.74	10,163.74	42.50	41.11	7.35

STATEMENT OF THE ALLOCATION OF THE
for the Year

Municipality	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COST OF			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardi- zation	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt- hours	\$	\$	\$	\$
Port Credit.....	11,739.8	83,482.7	490,008	58,699	2,679	546,028
Port Dover.....	2,241.4	12,715.2	92,756	11,207	717	103,246
Port Elgin.....	1,294.0	6,969.8	61,127			61,127
Port Hope.....	7,895.7	41,004.5	298,183			298,183
Port McNicoll.....	961.6	4,055.2	39,073		516	38,557
Port Perry.....	1,406.5	6,975.4	63,592		139	63,453
Port Rowan.....	263.9	1,360.5	11,661	1,320		12,981
Port Stanley.....	1,079.7	5,402.4	48,873	5,398	4,435	49,836
Prescott.....	3,385.7	16,910.7	145,345		3,279	142,066
Preston.....	8,765.9	46,531.2	333,038	43,830	27,128	349,740
Priceville.....	49.3	213.3	2,165		5	2,160
Princeton.....	252.6	1,168.0	10,913	1,263	653	11,523
Queenston.....	367.9	2,000.5	15,048	1,839	451	16,436
Rainy River.....	525.8	2,667.0	25,489			25,489
Red Rock.....	892.1	4,437.6	34,344			34,344
Renfrew.....	4,213.5	20,853.7	172,793			172,793
Richmond.....	687.3	3,392.4	27,027			27,027
Richmond Hill.....	9,604.5	50,155.0	376,980	48,023		425,003
Ridgetown.....	1,437.3	6,644.6	63,368	7,186	4,261	66,293
Ripley.....	325.3	1,421.6	14,449		35	14,414
Riverside.....	6,693.2	32,687.4	262,166	33,466		295,632
Rockland.....	1,128.8	5,605.5	45,355			45,355
Rockwood.....	410.3	1,960.0	18,749	2,052	1,271	19,530
Rodney.....	520.7	2,526.4	22,693	2,603	836	24,460
Rosseau.....	118.1	505.6	5,294			5,294
Russell.....	310.1	1,440.1	12,303			12,303
St. Catharines.....	84,985.5	486,351.0	3,246,206	424,928	63,434	3,607,700
St. Clair Beach.....	605.5	2,871.1	24,652	3,027		27,679
St. George.....	488.3	2,347.2	20,608	2,442	1,160	21,890
St. Jacobs.....	544.1	2,227.5	23,902	2,720	817	25,805
St. Mary's.....	10,681.7	75,093.8	440,770	53,409	15,500	478,679
St. Thomas.....	15,674.4	88,386.3	599,868	78,372	43,455	634,785
Sandwich East Twp.....	6,401.4	34,602.5	248,405	32,007		280,412
Sandwich West Twp.....	12,554.5	66,131.2	498,207	62,772		560,979
Sarnia.....	124,091.8	1,010,084.5	5,357,652	620,458	58,381	5,919,729
Scarboro Twp.....	144,987.0	780,254.6	5,508,355	724,935	3,642	6,229,648
Schreiber.....	1,295.6	7,226.4	50,677			50,677
Seaforth.....	1,767.1	8,084.6	63,916	8,836	6,966	65,786
Shelburne.....	936.3	4,432.8	43,154		2,473	40,681
Simcoe.....	7,847.6	42,515.9	300,372	39,238	5,918	333,692

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1962

PRIMARY POWER				RATES		
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance Refunded or Charged	Interim	Actual	
				per Kw per Annum	per Kw per Annum	Mills per KwH
\$	\$	\$	\$	\$	\$	\$
35,220	510,808	540,031.18	29,223.18	46.00	43.51	6.12
6,724	96,522	97,723.23	1,201.23	43.60	43.06	7.59
3,882	57,245	58,552.38	1,307.38	45.25	44.24	8.21
23,688	274,495	284,243.70	9,748.70	36.00	34.77	6.69
2,885	35,672	33,943.61	1,728.39	35.30	37.10	8.80
4,219	59,234	60,901.09	1,667.09	43.30	42.11	8.49
791	12,190	12,193.74	3.74	46.20	46.19	8.96
3,240	46,596	48,480.04	1,884.04	44.90	43.16	8.63
10,157	131,909	132,041.37	132.37	39.00	38.96	7.80
26,297	323,443	337,486.50	14,043.50	38.50	36.90	6.95
148	2,012	2,160.85	148.85	43.80	40.81	9.43
758	10,765	11,089.88	324.88	43.90	42.62	9.22
1,104	15,332	15,818.99	486.99	43.00	41.67	7.66
1,578	23,911	28,144.06	4,233.06	53.53	45.48	8.97
3,569	30,775	30,154.40	620.60	33.80	34.50	6.94
12,640	160,153	162,219.74	2,066.74	38.50	38.01	7.68
2,062	24,965	25,153.96	188.96	36.60	36.32	7.36
28,813	396,190	433,162.96	36,972.96	45.10	41.25	7.90
4,312	61,981	63,961.71	1,980.71	44.50	43.12	9.33
976	13,438	14,214.90	776.90	43.70	41.31	9.45
20,080	275,552	289,144.80	13,592.80	43.20	41.17	8.43
3,386	41,969	41,088.32	880.68	36.40	37.18	7.49
1,231	18,299	19,571.33	1,272.33	47.70	44.60	9.34
1,562	22,898	23,014.59	116.59	44.20	43.98	9.06
355	4,939	5,030.72	91.72	42.60	41.82	9.77
931	11,372	11,256.35	115.65	36.30	36.67	7.90
254,956	3,352,744	3,416,418.48	63,674.48	40.20	39.45	6.89
1,817	25,862	26,216.70	354.70	43.30	42.71	9.01
1,465	20,425	21,142.67	717.67	43.30	41.83	8.70
1,632	24,173	24,972.66	799.66	45.90	44.43	10.85
32,045	446,634	451,835.22	5,201.22	42.30	41.81	5.95
47,023	587,762	616,002.61	28,240.61	39.30	37.50	6.65
19,204	261,208	274,621.86	13,413.86	42.90	40.80	7.55
37,664	535,315	536,075.03	12,760.03	42.70	41.68	7.91
372,275	5,547,454	5,491,061.05	56,392.95	44.25	44.70	5.49
434,961	5,794,687	5,929,967.28	135,280.28	40.90	39.96	7.43
5,182	45,495	45,087.17	407.83	34.80	35.11	6.30
5,302	60,484	63,616.80	3,132.80	36.00	34.23	7.48
2,808	37,873	40,823.04	2,950.04	43.60	40.45	8.54
23,542	310,150	317,827.13	7,677.13	40.50	39.52	7.29

STATEMENT OF THE ALLOCATION OF THE
for the Year

Municipality	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COST OF			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardi- zation	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt- hours	\$	\$	\$	\$
Sioux Lookout.....	1,651.4	9,478.9	81,767	.....	.....	81,767
Smiths Falls.....	7,653.4	37,823.8	286,056	.....	.....	286,056
Smithville.....	580.7	2,744.1	25,337	2,903	.....	28,240
Southampton.....	1,224.5	6,770.0	58,909	.....	.....	58,909
South River.....	325.7	1,704.1	15,410	.....	.....	15,410
Springfield.....	234.9	993.6	9,151	1,175	229	10,097
Stamford Twp.....	16,001.2	84,262.9	605,426	80,006	6,295	679,137
Stayner.....	1,096.9	5,445.6	45,122	.....	1,710	43,412
Stirling.....	983.5	4,662.9	38,211	.....	.....	38,211
Stoney Creek.....	3,781.8	18,681.9	151,721	18,909	.....	170,630
Stouffville.....	2,052.4	9,663.3	85,939	10,262	.....	96,201
Stratford.....	16,760.3	91,016.5	627,981	83,801	48,329	663,453
Strathroy.....	4,008.1	20,332.9	148,715	20,041	9,189	159,567
Streetsville.....	3,229.9	16,901.2	127,448	16,149	.....	143,597
Sturgeon Falls.....	2,671.8	13,109.1	108,417	.....	.....	108,417
Sudbury.....	40,733.0	233,978.2	1,697,381	.....	.....	1,697,381
Sunderland.....	420.4	1,900.8	18,583	.....	2,218	16,365
Sundridge.....	371.0	1,905.0	17,026	.....	.....	17,026
Sutton.....	1,074.8	5,534.4	47,854	5,374	.....	53,228
Swansea.....	5,890.5	35,202.2	232,171	29,452	.....	261,623
Tara.....	454.9	2,238.4	20,164	.....	24	20,140
Tavistock.....	874.4	4,375.2	37,543	4,372	5,474	36,441
Tecumseh.....	1,389.1	7,104.6	57,423	6,946	.....	64,369
Teeswater.....	725.3	3,322.8	33,079	.....	58	33,021
Terrace Bay.....	1,458.7	9,159.0	58,424	.....	.....	58,424
Thamesford.....	820.9	4,327.2	37,845	4,104	2,196	39,753
Thamesville.....	801.1	3,347.6	35,576	4,006	1,704	37,878
Thedford.....	505.6	2,503.9	22,736	2,528	188	25,076
Thessalon.....	724.2	4,026.9	32,187	.....	.....	32,187
Thornbury.....	959.6	4,895.9	43,990	.....	.....	43,990
Thorndale.....	223.6	998.8	9,592	1,118	1,305	9,405
Thornton.....	130.0	556.0	5,403	.....	32	5,371
Thorold.....	14,040.8	81,129.0	540,065	70,204	.....	610,269
Tilbury.....	1,398.3	6,244.6	61,022	6,991	3,716	64,297
Tillsonburg.....	5,677.2	27,324.4	205,235	28,387	7,187	226,435
Toronto.....	606,605.8	3,617,899.1	23,283,839	3,033,031	1,040,718	25,276,152
Toronto Twp.....	54,548.7	347,622.3	2,184,992	272,743	4,571	2,453,164
Tottenham.....	402.7	1,995.2	18,421	.....	91	18,330
Trenton.....	15,202.4	94,207.0	597,291	.....	.....	597,291
Tweed.....	1,261.0	5,860.8	51,445	.....	.....	51,445

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1962

PRIMARY POWER				RATES		
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance Refunded or Charged	Interim	Actual	
				per Kw per Annum	per Kw per Annum	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$
4,954	76,813	88,599.46	11,786.46	53.65	46.51	8.10
22,960	263,096	263,276.10	180.10	34.40	34.38	6.96
1,743	26,497	26,188.83	308.17	45.10	45.63	9.66
3,674	55,235	55,714.38	479.38	45.50	45.11	8.16
977	14,433	15,583.60	1,150.60	47.85	44.31	8.47
704	9,393	9,630.22	237.22	41.00	39.99	9.45
48,004	631,133	647,247.20	16,114.20	40.45	39.44	7.49
3,291	40,121	40,914.38	793.38	37.30	36.58	7.37
2,950	35,261	35,406.30	145.30	36.00	35.85	7.56
11,345	159,285	164,887.57	5,602.57	43.60	42.12	8.53
6,157	90,044	93,999.15	3,955.15	45.80	43.87	9.32
50,281	613,172	631,861.42	18,689.42	37.70	36.58	6.74
12,025	147,542	155,114.12	7,572.12	38.70	36.81	7.26
9,689	133,908	137,916.73	4,008.73	42.70	41.46	7.92
8,015	100,402	109,544.16	9,142.16	41.00	37.58	7.66
122,199	1,575,182	1,716,894.54	141,712.54	42.15	38.67	6.73
1,261	15,104	16,649.16	1,545.16	39.60	35.93	7.95
1,113	15,913	16,693.90	780.90	45.00	42.89	8.35
3,225	50,003	51,807.38	1,804.38	48.20	46.52	9.03
17,671	243,952	246,813.69	2,861.69	41.90	41.41	6.93
1,365	18,775	18,876.62	101.62	41.50	41.27	8.39
2,623	33,818	36,723.75	2,905.75	42.00	38.68	7.73
4,168	60,201	60,843.34	642.34	43.80	43.34	8.47
2,175	30,846	32,059.75	1,213.75	44.20	42.53	9.28
5,835	52,589	51,639.17	949.83	35.40	36.05	5.74
2,462	37,291	37,514.38	223.38	45.70	45.43	8.62
2,404	35,474	36,287.98	813.98	45.30	44.28	10.60
1,517	23,559	23,763.21	204.21	47.00	46.60	9.41
2,173	30,014	33,676.47	3,662.47	46.50	41.44	7.45
2,879	41,111	42,224.25	1,113.25	44.00	42.84	8.40
670	8,735	9,187.91	452.91	41.10	39.07	8.75
390	4,981	5,029.74	48.74	38.70	38.32	8.96
42,123	568,146	585,501.38	17,355.38	41.70	40.46	7.00
4,195	60,102	63,622.65	3,520.65	45.50	42.98	9.62
17,031	209,404	215,164.95	5,760.95	37.90	36.89	7.66
1,819,818	23,456,334	23,809,275.69	352,941.69	39.25	38.66	6.48
163,646	2,289,518	2,370,140.28	80,622.28	43.45	41.98	6.59
1,208	17,122	17,841.46	719.46	44.30	42.52	8.58
45,608	551,683	528,284.57	23,398.43	34.75	36.29	5.86
3,783	47,662	47,288.44	373.56	37.50	37.80	8.13

STATEMENT OF THE ALLOCATION OF THE for the Year

Municipality	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COST OF			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardi- zation	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt- hours	\$	\$	\$	\$
Uxbridge.....	1,630.1	8,311.2	75,113	.....	154	74,959
Vankleek Hill.....	695.5	3,389.3	28,244	.....	.....	28,244
Victoria Harbour.....	393.2	1,833.6	18,031	.....	709	17,322
Walkerton.....	3,127.0	14,274.4	120,558	.....	.....	120,558
Wallaceburg.....	8,660.8	51,371.2	340,349	43,304	14,738	368,915
Wardsville.....	181.3	819.6	7,895	907	139	8,663
Warkworth.....	312.9	1,238.2	12,718	.....	.....	12,718
Wasaga Beach.....	797.6	2,985.6	32,578	.....	.....	32,578
Waterdown.....	998.2	5,111.0	39,960	4,991	2,505	42,446
Waterford.....	1,190.0	5,155.2	48,209	5,950	3,001	51,158
Waterloo.....	18,807.1	101,468.0	648,954	94,035	22,324	720,665
Watford.....	1,298.1	6,146.8	56,368	6,491	840	62,019
Waubauskene.....	319.4	1,559.2	14,852	.....	382	14,470
Webbwood.....	164.7	726.9	6,997	.....	.....	6,997
Welland.....	26,851.0	143,701.7	1,009,460	134,255	21,110	1,122,605
Wellesley.....	421.0	1,782.4	17,422	2,105	2,948	16,579
Wellington.....	585.8	2,598.2	26,986	.....	.....	26,986
West Ferris.....	4,031.5	20,754.7	160,749	.....	.....	160,749
West Lorne.....	1,052.9	4,664.2	46,140	5,264	3,475	47,929
Weston.....	9,020.0	50,050.5	349,696	45,100	19,245	375,551
Westport.....	384.0	1,924.8	16,569	.....	.....	16,569
Wheatley.....	811.1	3,636.2	35,719	4,056	.....	39,775
Whitby.....	11,621.9	64,268.9	441,554	.....	.....	441,554
Warton.....	1,286.2	6,892.8	59,883	.....	.....	59,883
Williamsburg.....	236.5	1,021.8	10,633	.....	414	10,219
Winchester.....	1,223.9	6,558.6	55,245	.....	1,797	53,448
Windermere.....	143.4	604.6	6,115	.....	.....	6,115
Windsor.....	76,333.8	406,506.1	2,853,773	381,669	210,272	3,025,170
Wingham.....	2,452.8	12,306.1	104,612	.....	140	104,472
Woodbridge.....	2,082.7	10,568.2	86,914	10,413	3,433	93,894
Woodstock.....	18,692.6	104,402.7	706,330	93,463	31,770	768,023
Woodville.....	212.2	972.8	9,893	.....	2,646	7,247
Wyoming.....	400.4	1,946.8	18,047	2,002	1,037	19,012
York Twp.....	60,261.5	357,947.9	2,316,912	301,308	24,739	2,593,481
Zurich.....	418.6	1,850.8	18,536	2,093	631	19,998
Total.....	3,574,749.6	20,728,606.5	139,272,869	13,613,094	3,149,740	149,736,223

NOTES

1. For the first time, the rates per kilowatt-hour are shown on this statement. This data provides a measure of the advantage resulting from more continuous use of the demand imposed upon the facilities. Where the number of kilowatt-hours purchased increases at a greater rate than the increase in the average monthly demand, the unit cost per kilowatt-hour declines.

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1962

PRIMARY POWER				RATES		
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance <i>Refunded</i> or Charged	Interim	Actual	
				per Kw per Annum	per Kw per Annum	Mills per Kwh
\$	\$	\$	\$	\$	\$	\$
4,891	70,068	71,070.91	1,002.91	43.60	42.98	8.43
2,086	26,158	27,471.60	1,313.60	39.50	37.61	7.72
1,179	16,143	16,515.45	372.45	42.00	41.06	8.80
9,381	111,177	113,823.71	2,646.71	36.40	35.55	7.79
25,982	342,933	350,762.07	7,829.07	40.50	39.60	6.68
544	8,119	8,502.58	383.58	46.90	44.78	9.91
939	11,779	12,045.05	266.05	38.50	37.64	9.51
2,393	30,185	31,184.55	999.55	39.10	37.84	10.11
2,995	39,451	40,626.74	1,175.74	40.70	39.52	7.74
3,570	47,588	48,788.99	1,200.99	41.00	39.99	9.23
56,421	664,244	677,057.10	12,813.10	36.00	35.32	6.55
3,894	58,125	59,193.74	1,068.74	45.60	44.78	9.46
958	13,512	13,572.74	60.74	42.50	42.30	8.67
494	6,503	7,058.84	555.84	42.85	39.48	8.95
80,553	1,042,052	1,047,188.39	5,136.39	39.00	38.81	7.25
1,263	15,316	16,629.18	1,313.18	39.50	36.38	8.59
1,757	25,229	25,542.31	313.31	43.60	43.07	9.71
12,095	148,654	163,879.80	15,225.80	40.65	36.87	7.16
3,159	44,770	45,273.26	503.26	43.00	42.52	9.60
27,060	348,491	362,605.71	14,114.71	40.20	38.64	6.96
1,152	15,417	15,129.93	287.07	39.40	40.15	8.02
2,433	37,342	38,445.76	1,103.76	47.40	46.04	10.27
34,866	406,688	404,440.96	2,247.04	34.80	34.99	6.33
3,859	56,024	58,266.40	2,242.40	45.30	43.56	8.13
710	9,509	9,930.90	421.90	42.00	40.21	9.31
3,672	49,776	50,180.61	404.61	41.00	40.67	7.59
430	5,685	5,866.10	181.10	40.90	39.64	9.40
229,001	2,796,169	2,900,683.14	104,514.14	38.00	36.63	6.88
7,358	97,114	104,244.00	7,130.00	42.50	39.59	7.89
6,248	87,646	89,555.03	1,909.03	43.00	42.08	8.29
56,078	711,945	743,966.13	32,021.13	39.80	38.09	6.82
638	6,609	7,428.47	819.47	35.00	31.15	6.79
1,201	17,811	17,898.28	87.28	44.70	44.48	9.15
180,785	2,412,696	2,449,631.00	36,935.00	40.65	40.04	6.74
1,256	18,742	19,087.02	345.02	45.60	44.77	10.13
10,805,812	138,930,411	141,110,609.42	2,180,198.42			

2. The notes to the Summary of the Allocation of the Cost of Primary Power on page 27 are an integral part of this statement.

**STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES
THROUGH SINKING FUND PROVISIONS AND INTEREST**

for the Year Ended December 31, 1962

Municipality	Balance at January 1, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1962
	\$	\$	\$	\$
Acton.....	423,805.58	31,418.64	.....	455,224.22
Ailsa Craig.....	56,125.05	452.52	.....	56,577.57
Ajax.....	130,092.13	32,415.69	.....	162,507.82
Alexandria.....	162,539.10	15,930.16	.....	178,469.26
Alfred.....	10,613.94	2,935.56	.....	13,549.50
Alliston.....	158,575.92	16,690.16	.....	175,266.08
Almonte.....	68,384.51	11,214.38	.....	79,598.89
Alvinston.....	58,411.83	3,136.74	.....	61,548.57
Amherstburg.....	335,996.25	27,170.01	.....	363,166.26
Ancaster Twp.....	145,135.20	15,588.41	.....	160,723.61
Apple Hill.....	14,336.57	905.22	.....	15,241.79
Arkona.....	35,047.62	3,033.90	.....	38,081.52
Arnprior.....	246,846.21	29,069.85	.....	275,916.06
Arthur.....	90,178.26	3,081.93	.....	93,260.19
Athens.....	38,340.12	3,556.60	.....	41,896.72
Atikokan Twp.....	105,430.43	22,342.22	.....	127,772.65
Aurora.....	220,911.89	33,727.48	.....	254,639.37
Avonmore.....	5,440.72	968.63	.....	6,409.35
Aylmer.....	316,208.14	28,452.38	.....	344,660.52
Ayr.....	77,060.48	4,567.52	.....	81,628.00
Baden.....	124,345.75	4,403.79	.....	128,749.54
Bancroft.....	44,053.47	8,721.14	.....	52,774.61
Barrie.....	1,101,357.60	112,588.13	.....	1,213,945.73
Barry's Bay.....	15,270.81	2,798.83	.....	18,069.64
Bath.....	20,373.32	2,443.93	.....	22,817.25
Beachburg.....	1,414.00	1,609.56	9,564.43	12,587.99
Beachville.....	214,429.06	13,586.28	.....	228,015.34
Beamsville.....	97,873.06	10,576.92	.....	108,449.98
Beaverton.....	101,014.69	5,909.48	.....	106,924.17
Beeton.....	65,000.25	4,738.86	.....	69,739.11
Belle River.....	69,976.59	6,136.06	.....	76,112.65
Belleville.....	1,466,205.75	156,867.23	.....	1,623,072.98
Blenheim.....	184,443.76	10,097.73	.....	194,541.49
Bloomfield.....	41,180.35	3,608.22	.....	44,788.57
Blyth.....	62,252.57	6,008.10	.....	68,260.67
Bobcaygeon.....	34,401.62	5,244.06	.....	39,645.68
Bolton.....	89,450.71	5,969.80	.....	95,420.51
Bothwell.....	65,239.59	1,193.43	.....	66,433.02
Bowmanville.....	527,573.85	48,956.95	.....	576,530.80
Bracebridge.....	2,399.27	1,530.97	.....	3,930.24
Bradford.....	126,329.48	13,404.11	.....	139,733.59
Braeside.....	33,416.25	8,354.65	.....	41,770.90
Brampton.....	927,057.13	90,534.50	3,186.31	1,020,777.94
Brantford.....	5,012,448.88	297,320.07	.....	5,309,768.95
Brantford Twp.....	266,374.64	38,120.99	.....	304,495.63

**STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES
THROUGH SINKING FUND PROVISIONS AND INTEREST**

for the Year Ended December 31, 1962

Municipality	Balance at January 1, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1962
	\$	\$	\$	\$
Brechin	23,035.39	323.00	.....	22,712.39
Bridgeport	57,854.08	6,110.16	.....	63,964.24
Brigden	45,462.41	2,237.59	.....	47,700.00
Brighton	106,912.77	10,872.51	.....	117,785.28
Brockville	1,227,140.70	96,530.21	.....	1,323,670.91
Brussels	73,415.36	5,971.61	.....	79,386.97
Burford	77,523.16	4,706.99	.....	82,230.15
Burgessville	24,846.56	1,233.01	.....	26,079.57
Burk's Falls	22,728.38	4,602.14	.....	27,330.52
Burlington	879,774.61	177,906.98	.....	1,057,681.59
Cache Bay	3,618.46	2,251.74	.....	5,870.20
Caledonia	113,652.33	7,502.56	.....	121,154.89
Campbellford	7,211.42	4,428.46	.....	11,639.88
Campbellville	16,572.73	1,417.91	.....	17,990.64
Cannington	72,084.38	2,918.50	.....	75,002.88
Capreol	12,275.78	9,016.03	.....	21,291.81
Cardinal	70,728.94	6,977.16	.....	77,706.10
Carleton Place	419,875.63	32,975.03	.....	452,850.66
Casselman	21,896.82	4,553.87	.....	26,450.69
Cayuga	51,934.34	4,294.37	.....	56,228.71
Chalk River	15,125.36	2,780.01	.....	17,905.37
Chatham	2,080,007.39	121,975.85	.....	2,201,983.24
Chatsworth	28,624.64	1,701.16	.....	30,325.80
Chesley	173,530.03	7,315.80	.....	180,845.83
Chesterville	129,080.03	8,497.94	.....	137,577.97
Chippawa	96,973.34	8,716.64	.....	105,689.98
Clifford	41,989.98	3,415.60	.....	45,405.58
Clinton	240,830.48	15,320.85	.....	256,151.33
Cobden	34,832.91	4,305.32	.....	39,138.23
Cobourg	589,589.17	65,115.57	.....	654,704.74
Cochrane	14,545.84	11,040.83	.....	25,586.67
Colborne	59,176.85	7,057.07	.....	66,233.92
Coldwater	60,504.59	3,667.01	.....	64,171.60
Collingwood	655,495.10	37,641.58	.....	693,136.68
Comber	65,633.53	1,405.36	.....	67,038.89
Coniston	3,460.32	4,952.41	.....	8,412.73
Cookstown	32,430.16	2,834.66	.....	35,264.82
Cottam	27,153.27	2,265.13	.....	29,418.40
Courtright	25,631.34	1,794.25	.....	27,425.59
Creemore	55,202.85	3,136.12	.....	58,338.97
Dashwood	40,426.70	2,512.94	.....	42,939.64
Deep River	54,937.53	17,942.50	.....	72,880.03
Delaware	22,435.39	1,530.73	.....	23,966.12
Delhi	136,205.96	16,761.24	1,487.63	154,454.83
Deseronto	74,479.73	7,898.19	.....	82,377.92

**STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES
THROUGH SINKING FUND PROVISIONS AND INTEREST**

for the Year Ended December 31, 1962

Municipality	Balance at January 1, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1962
	\$	\$	\$	\$
Dorchester.....	39,565.10	3,173.02	.....	42,738.12
Drayton.....	55,656.95	3,379.58	.....	59,036.53
Dresden.....	159,652.14	10,086.02	.....	169,738.16
Drumbo.....	32,634.75	1,927.67	.....	34,562.42
Dryden.....	93,490.02	17,690.60	.....	111,180.62
Dublin.....	25,699.54	2,078.49	.....	27,778.03
Dundalk.....	67,007.14	4,248.45	.....	71,255.59
Dundas.....	711,250.84	48,070.08	.....	759,320.92
Dunnville.....	376,177.40	28,498.79	.....	404,676.19
Durham.....	154,334.50	9,131.78	.....	163,466.28
Dutton.....	78,729.08	2,880.49	.....	81,609.57
East York Twp.....	2,625,081.84	263,797.27	.....	2,888,879.11
Eganville.....	15,303.18	3,294.13	.....	18,597.31
Elmira.....	395,404.07	24,018.06	404.45	419,826.58
Elmvale.....	66,219.31	3,631.65	.....	69,850.96
Elmwood.....	23,769.74	1,783.20	.....	25,552.94
Elora.....	150,885.02	4,816.02	.....	155,701.04
Embro.....	49,883.79	2,127.18	.....	52,010.97
Erieau.....	45,140.37	3,864.62	.....	49,004.99
Erie Beach.....	8,116.82	639.67	.....	8,756.49
Erin.....	22,023.02	3,684.92	.....	25,707.94
Espanola.....	8,419.76	10,844.79	.....	19,264.55
Essex.....	178,897.06	13,588.59	.....	192,485.65
Etobicoke Twp.....	4,515,260.26	716,416.20	.....	5,231,676.46
Exeter.....	239,653.79	15,438.90	.....	255,092.69
Fergus.....	370,632.27	26,344.27	.....	396,976.54
Finch.....	27,553.45	2,407.14	.....	29,960.59
Flesherton.....	33,450.65	2,262.30	.....	35,712.95
Fonthill.....	72,090.04	8,451.60	.....	80,541.64
Forest.....	182,317.89	13,229.25	.....	195,547.14
Forest Hill.....	1,273,242.13	111,167.69	.....	1,384,409.82
Fort William.....	5,272,089.58	362,134.58	.....	5,634,224.16
Frankford.....	27,605.22	4,668.21	.....	32,273.43
Galt.....	2,689,719.49	150,876.36	347.68	2,840,943.53
Georgetown.....	597,297.89	47,939.37	.....	645,237.26
Glencoe.....	88,688.60	5,513.73	.....	94,202.33
Goderich.....	605,560.25	42,949.98	.....	648,510.23
Grand Bend.....	51,777.85	6,222.73	.....	58,000.58
Grand Valley.....	62,588.29	3,088.26	.....	65,676.55
Granton.....	28,523.42	381.34	.....	28,904.76
Gravenhurst.....	237,116.21	18,476.43	.....	255,592.64
Grimshy.....	153,092.94	20,369.72	.....	173,462.66
Guelph.....	3,241,954.83	207,989.13	.....	3,449,943.96
Hagersville.....	307,776.60	11,056.68	.....	318,833.28
Hamilton.....	30,183,249.92	2,530,426.45	.....	32,713,676.37

**STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES
THROUGH SINKING FUND PROVISIONS AND INTEREST**

for the Year Ended December 31, 1962

Municipality	Balance at January 1, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1962
	\$	\$	\$	\$
Hanover.....	417,273.60	15,578.23	.....	432,851.83
Harriston.....	167,173.29	7,547.08	.....	174,720.37
Harrow.....	157,287.54	12,223.81	.....	169,511.35
Hastings.....	34,480.96	3,591.24	.....	38,072.20
Havelock.....	61,529.90	5,183.20	.....	66,713.10
Hawkesbury.....	75,039.48	17,469.58	.....	92,509.06
Hearst.....	.....	8,978.00	.....	8,978.00
Hensall.....	88,039.10	5,501.94	.....	93,541.04
Hespeler.....	638,466.46	42,428.93	.....	680,895.39
Highgate.....	38,398.10	1,273.79	.....	39,671.89
Holstein.....	13,039.20	843.56	.....	13,882.76
Huntsville.....	335,872.50	16,024.30	.....	351,896.80
Ingersoll.....	802,063.87	36,722.44	.....	838,786.31
Iroquois.....	48,708.32	5,504.33	.....	54,212.65
Jarvis.....	64,573.83	4,281.95	.....	68,855.78
Kapuskasing.....	23,331.33	17,083.25	.....	40,414.58
Kemptville.....	139,048.71	13,966.95	.....	153,015.66
Killaloe Station.....	9,599.44	1,762.98	.....	11,362.42
Kincardine.....	250,311.30	21,484.99	.....	271,796.29
King City.....	.....	2,405.00	.....	2,405.00
Kingston.....	2,321,125.78	267,914.03	.....	2,589,039.81
Kingsville.....	212,227.93	15,530.45	.....	227,758.38
Kirkfield.....	13,597.89	458.46	.....	14,056.35
Kitchener.....	6,627,734.32	429,911.75	.....	7,057,646.07
Lakefield.....	108,656.45	10,696.26	.....	119,352.71
Lambeth.....	67,721.80	6,243.71	655.63	74,621.14
Lanark.....	35,214.74	3,106.59	.....	38,321.33
Lancaster.....	28,614.03	2,327.59	.....	30,941.62
Larder Lake Twp.....	6,814.76	4,823.59	.....	11,638.35
Latchford.....	1,345.62	1,040.83	.....	2,386.45
Leamington.....	574,027.73	50,083.59	.....	624,111.32
Lindsay.....	757,709.52	73,416.38	.....	831,125.90
Listowel.....	393,739.64	22,019.50	.....	415,759.14
London.....	10,805,778.34	652,212.75	.....	11,457,991.09
Long Branch.....	413,706.19	45,548.25	.....	459,254.44
L'Orignal.....	11,308.45	2,309.34	.....	13,617.79
Lucan.....	79,579.47	2,267.16	.....	81,846.63
Lucknow.....	103,957.22	8,158.28	.....	112,115.50
Lynden.....	47,643.68	873.59	.....	48,517.27
Madoc.....	73,240.53	7,469.62	.....	80,710.15
Magnetawan.....	4,023.38	637.94	.....	4,661.32
Markdale.....	63,046.27	4,796.88	.....	67,843.15
Markham.....	157,435.53	18,925.25	.....	176,360.78
Marmora.....	52,710.32	5,714.41	.....	58,424.73
Martintown.....	13,469.91	1,285.80	.....	14,755.71

**STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES
THROUGH SINKING FUND PROVISIONS AND INTEREST**

for the Year Ended December 31, 1962

Municipality	Balance at January 1, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1962
	\$	\$	\$	\$
Massey.....	2,120.48	2,568.82	.....	4,689.30
Maxville.....	49,788.29	4,347.12	.....	54,135.41
McGarry.....	6,417.14	4,382.69	.....	10,799.83
Meaford.....	234,294.35	23,721.77	.....	258,016.12
Merlin.....	47,395.94	3,403.84	.....	50,799.78
Merrickville.....	19,892.65	3,035.71	.....	22,928.36
Midland.....	961,152.01	60,076.77	.....	1,021,228.78
Mildmay.....	37,481.49	3,723.26	.....	41,204.75
Millbrook.....	27,712.13	3,359.49	.....	31,071.62
Milton.....	466,408.19	20,639.31	.....	487,047.50
Milverton.....	165,316.81	3,654.17	.....	168,970.98
Mimico.....	772,156.65	58,492.13	.....	830,648.78
Mitchell.....	213,124.75	12,852.01	.....	225,976.76
Moorefield.....	28,346.72	1,987.11	.....	30,333.83
Morrisburg.....	77,930.29	8,891.21	.....	86,821.50
Mount Brydges.....	37,790.28	2,424.12	.....	40,214.40
Mount Forest.....	185,775.26	13,214.16	.....	198,989.42
Napanee.....	320,770.22	29,579.81	.....	350,350.03
Neustadt.....	30,189.95	2,409.60	.....	32,599.55
Newboro.....	4,439.25	642.57	.....	5,081.82
Newburgh.....	11,435.52	1,754.42	.....	13,189.94
Newbury.....	19,209.34	1,067.64	.....	20,276.98
Newcastle.....	52,402.78	6,055.11	.....	58,457.89
New Hamburg.....	202,624.36	9,733.32	.....	212,357.68
Newmarket.....	290,389.35	41,210.53	.....	331,599.88
New Toronto.....	2,501,799.23	193,392.84	.....	2,695,192.07
Niagara.....	185,500.06	12,407.30	.....	197,907.36
Niagara Falls.....	2,388,305.11	110,512.86	.....	2,498,817.97
Nipigon Twp.....	113,353.83	11,913.15	.....	125,266.98
North Bay.....	94,839.46	70,686.58	.....	165,526.04
North York Twp.....	5,965,115.36	1,028,295.31	.....	6,993,410.67
Norwich.....	146,642.33	5,020.49	.....	151,662.82
Norwood.....	49,143.74	4,818.75	.....	53,962.49
Oakville.....	931,971.12	241,541.84	.....	1,173,512.96
Oil Springs.....	81,047.41	1,831.94	.....	82,879.35
Omemee.....	29,695.32	3,153.81	.....	32,849.13
Orangeville.....	282,295.41	23,458.66	.....	305,754.07
Orillia.....	155,680.37	33,085.21	.....	188,765.58
Orono.....	26,370.62	3,602.82	.....	29,973.44
Oshawa.....	4,469,827.30	479,897.09	.....	4,949,724.39
Ottawa.....	6,542,632.03	1,015,310.00	.....	7,557,942.03
Otterville.....	44,001.44	2,527.34	.....	46,528.78
Owen Sound.....	1,291,381.16	82,138.15	.....	1,373,519.31
Paisley.....	56,095.82	4,389.83	.....	60,485.65
Palmerston.....	184,954.41	7,560.60	.....	192,515.01

**STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES
THROUGH SINKING FUND PROVISIONS AND INTEREST**

for the Year Ended December 31, 1962

Municipality	Balance at January 1, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1962
	\$	\$	\$	\$
Paris	486,109.14	19,818.34	.....	505,927.48
Parkhill	98,968.26	7,554.45	.....	106,522.71
Parry Sound	84,279.43	16,263.18	.....	100,542.61
Penetanguishene	276,485.80	14,387.99	.....	290,873.79
Perth	409,965.44	35,896.62	.....	445,862.06
Peterborough	2,907,710.65	280,344.43	.....	3,188,055.08
Petrolia	377,987.65	12,023.03	.....	390,010.68
Pickering	12,649.32	4,580.97	.....	17,230.29
Picton	356,619.37	31,790.77	.....	388,410.14
Plattsville	55,983.65	4,075.41	.....	60,059.06
Point Edward	403,700.59	32,285.08	.....	435,985.67
Port Arthur	9,421,771.74	550,980.87	.....	9,972,752.61
Port Burwell	21,352.32	2,055.98	.....	23,408.30
Port Colborne	649,633.09	49,946.32	.....	699,579.41
Port Credit	464,431.77	71,011.69	.....	535,443.46
Port Dover	175,254.72	16,551.50	.....	191,806.22
Port Elgin	119,097.13	11,502.89	.....	130,600.02
Port Hope	605,838.41	57,436.54	.....	663,274.95
Port McNicoll	73,862.88	6,540.70	.....	80,403.58
Port Perry	114,513.83	11,215.81	.....	125,729.64
Port Rowan	36,902.31	2,816.09	.....	39,718.40
Port Stanley	181,086.29	7,662.24	.....	188,748.53
Prescott	310,859.11	24,571.69	.....	335,430.80
Preston	1,116,128.62	52,454.72	.....	1,168,583.34
Priceville	5,162.80	423.09	.....	5,585.89
Princeton	42,232.99	2,168.78	.....	44,401.77
Queenston	35,810.05	2,610.79	.....	38,420.84
Rainy River	43,931.48	2,718.00	.....	2,718.00
Red Rock	171,062.07	5,594.26	.....	49,525.74
Renfrew	30,148.88	25,689.48	.....	196,751.55
Richmond	332,782.80	4,189.96	.....	34,338.84
Richmond Hill	187,882.88	55,718.31	.....	388,501.11
Ridgetown	40,681.32	9,844.24	.....	197,727.12
Ripley	517,533.52	3,227.05	.....	43,908.37
Riverside	27,014.01	49,855.34	.....	567,388.86
Rockland	51,332.78	6,048.56	.....	33,062.57
Rockwood	64,958.70	2,693.34	.....	54,026.12
Rodney	17,098.09	4,446.27	.....	69,404.97
Rosseau	29,182.04	1,248.92	.....	18,347.01
Russell	6,355,055.67	2,512.28	.....	31,694.32
St. Catharines	44,303.89	550,748.49	.....	6,905,804.16
St. Clair Beach	60,429.87	4,496.16	.....	48,800.05
St. George	77,624.87	3,414.10	.....	63,843.97
St. Jacobs	622,220.98	4,805.56	.....	82,430.43
St. Mary's		57,644.07	.....	679,865.05

**STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES
THROUGH SINKING FUND PROVISIONS AND INTEREST**

for the Year Ended December 31, 1962

Municipality	Balance at January 1, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1962
	\$	\$	\$	\$
St. Thomas.....	2,053,593.53	102,048.59	1,599.22	2,157,241.34
Sandwich East Twp.....	259,982.12	38,076.28	.....	298,058.40
Sandwich West Twp.....	472,029.66	74,493.19	.....	546,522.85
Sarnia.....	4,915,383.24	737,798.82	.....	5,653,182.06
Scarborough Twp.....	4,797,817.97	812,309.94	.....	5,610,127.91
Schreiber Twp.....	56,853.87	7,964.15	.....	64,818.02
Seaforth.....	231,321.47	8,828.74	.....	240,150.21
Shelburne.....	104,104.86	6,183.96	.....	110,288.82
Simcoe.....	652,682.58	53,521.80	.....	706,204.38
Sioux Lookout.....	.....	8,652.00	.....	8,652.00
Smith's Falls.....	648,254.43	57,875.18	.....	706,129.61
Smithville.....	41,201.17	4,397.05	.....	45,598.22
Southampton.....	113,248.58	10,865.94	.....	124,114.52
South River.....	775.00	1,692.00	.....	2,467.00
Springfield.....	35,744.11	2,190.89	.....	37,935.00
Stamford Twp.....	903,052.34	97,117.80	.....	1,000,170.14
Stayner.....	92,511.32	6,677.49	.....	99,188.81
Stirling.....	69,763.50	6,996.54	.....	76,760.04
Stoney Creek.....	128,034.50	22,023.38	.....	150,057.88
Stouffville.....	136,442.51	14,972.70	.....	151,415.21
Stratford.....	2,317,508.98	110,697.02	.....	2,428,206.00
Strathroy.....	407,052.34	22,994.22	.....	430,046.56
Streetsville.....	122,413.28	19,238.53	121.42	141,773.23
Sturgeon Falls.....	16,287.08	12,483.48	.....	28,770.56
Sudbury.....	152,877.12	191,626.09	.....	344,503.21
Sunderland.....	43,844.80	1,392.37	.....	45,237.17
Sundridge.....	13,539.06	2,714.56	.....	16,253.62
Sutton.....	109,419.04	9,901.76	.....	119,320.80
Swansea.....	570,388.52	49,053.54	.....	619,442.06
Tara.....	44,169.29	3,899.28	.....	48,068.57
Tavistock.....	180,993.47	5,353.65	.....	186,347.12
Tecumseh.....	149,853.48	12,319.14	.....	162,172.62
Teeswater.....	67,661.20	6,170.77	.....	73,831.97
Terrace Bay Twp.....	87,889.50	10,126.58	.....	98,016.08
Thamesford.....	78,258.61	4,846.15	.....	83,104.76
Thamesville.....	86,388.44	5,494.07	.....	91,882.51
Theford.....	51,615.51	4,453.76	.....	56,069.27
Thessalon.....	5,084.05	3,770.36	.....	8,854.41
Thornbury.....	32,627.47	5,984.10	.....	38,611.57
Thornedale.....	34,602.10	1,001.54	.....	35,603.64
Thornton.....	15,421.06	1,156.23	.....	16,577.29
Thorold.....	797,825.34	92,947.01	.....	890,772.35
Tilbury.....	246,708.41	12,685.61	.....	259,394.02
Tillsonburg.....	438,317.99	32,899.69	.....	471,217.68
Toronto.....	83,231,735.10	4,833,347.77	.....	88,065,082.87
Toronto Twp.....	2,116,317.31	326,957.58	.....	2,443,274.89
Tottenham.....	51,163.66	3,917.88	.....	55,081.54
Trenton.....	937,982.98	104,282.32	.....	1,042,265.30
Tweed.....	87,178.53	9,079.14	.....	96,257.67
Uxbridge.....	132,785.19	13,155.69	.....	145,940.88

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES
THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1962

Municipality	Balance at January 1, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1962
	\$	\$	\$	\$
Vankleek Hill.....	17,784.79	3,773.39	.....	21,558.18
Victoria Harbour.....	32,893.38	2,378.40	.....	35,271.78
Walkerton.....	205,405.95	21,453.24	.....	226,859.19
Wallaceburg.....	1,070,118.60	64,980.33	.....	1,135,098.93
Wardsville.....	20,851.87	1,605.10	.....	22,456.97
Warkworth.....	25,258.57	2,376.34	.....	27,634.91
Wasaga Beach.....	24,462.04	4,332.48	.....	28,794.52
Waterdown.....	101,779.90	5,777.94	.....	107,557.84
Waterford.....	139,214.67	7,592.92	.....	146,807.59
Waterloo.....	1,430,588.86	107,684.57	.....	1,538,273.43
Watford.....	130,859.55	10,497.22	.....	141,356.77
Waubashene.....	29,152.62	2,250.09	.....	31,402.71
Webbwood.....	608.64	767.35	.....	1,375.99
Welland.....	1,889,162.42	165,949.02	.....	2,055,111.44
Wellesley.....	62,192.35	1,171.47	.....	63,363.82
Wellington.....	65,382.97	5,456.32	.....	70,839.29
West Ferris Twp.....	12,821.76	18,136.87	.....	30,958.63
West Lorne.....	131,244.93	6,951.57	.....	138,196.50
Weston.....	1,118,405.82	63,168.44	.....	1,181,574.26
Westport.....	35,564.74	3,210.59	.....	38,775.33
Wheatley.....	87,607.79	7,445.31	.....	95,053.10
Whitby.....	520,870.23	70,864.81	.....	591,735.04
Warton.....	115,191.78	10,989.67	.....	126,181.45
Williamsburg.....	29,734.32	1,863.60	.....	31,597.92
Winchester.....	113,419.36	8,510.18	.....	121,929.54
Windermere.....	15,531.53	1,268.26	.....	16,799.79
Windsor.....	13,104,454.35	615,211.17	.....	13,719,665.52
Wingham.....	229,505.97	20,836.01	.....	250,341.98
Woodbridge.....	207,597.70	14,203.18	.....	221,800.88
Woodstock.....	1,989,338.84	124,613.07	.....	2,113,951.91
Woodville.....	33,821.97	422.57	.....	33,399.40
Wyoming.....	43,566.24	2,593.83	.....	46,160.07
York Twp.....	5,020,444.06	436,238.14	.....	5,456,682.20
Zurich.....	58,418.28	3,714.42	.....	62,132.70
TOTAL.....	297,240,278.04	24,136,558.00 (Note 1)	17,366.77	321,394,202.81

NOTES

1. The net provision and interest credited during the year consists of the following amounts shown in the Statement of Equities Accumulated through Sinking Fund Provisions and Interest on pages 108 and 109:

Interest.....	\$11,889,611
Provision—direct.....	15,468,109
—indirect.....	236,951

\$27,594,671Less credits resulting from matured sinking funds.....
3,458,113\$24,136,558

2. The notes to the Statement of Equities Accumulated through Sinking Fund Provisions and Interest on page 108 and 109 are an integral part of this Statement.

APPENDIX III—RURAL

POWER is delivered in wholesale quantities by the Commission to 97 rural operating areas. Within the areas, retail customers are supplied under the following five classes of service: farm, residential (rural, hamlet and suburban), commercial, summer, and industrial power. The description of these classes of service and the rates applicable to them at December 31, 1962, are included in this appendix.

Description of Main Classes of Service

Farm service means service rendered to a property used for the production of food or industrial crops. It provides for the electrical supply of all farm buildings and equipment located on a farm and used for farm purposes, including equipment required for processing the products of that farm. Service may be supplied under one farm contract to all dwellings or separate domestic establishments located on the farm and occupied by persons engaged in its operation. Additional dwellings or domestic establishments located on a farm property and occupied by persons otherwise engaged are classed as residential service. Small properties of thirty acres and under are classified as residential service unless special circumstances warrant a classification as farm service.

There are three subdivisions of residential service. Rural residential service is supplied to isolated domestic establishments served as part of a rural operating area. Hamlet residential service is supplied to all domestic establishments in built-up areas where there are six or more customers in any quarter-mile section of road. Suburban residential service is supplied to all domestic establishments in built-up suburban communities where there are at least 100 customers in a group and where there are 12 or more customers in any quarter-mile section of road or street.

Commercial service applies to a wide variety of business or community establishments such as hotels, offices, stores, churches, schools, or small manufacturing and processing plants. Sign and display lighting are included.

Summer service is applicable to residential properties normally used only for seasonally limited periods of the year. Industrial power service, which is 3-phase service for manufacturing and processing, is provided at secondary, rural primary distribution, or sub-transmission voltage.

Rural Rate Structure

Rural rates in effect throughout the Province are given in the accompanying tables. They are quoted on a monthly basis, except the rate for summer service, which is quoted on an annual basis. The table shows the number of kilowatt-hours in each energy block and the rate applicable, for each class of service. The bills are subject to a monthly minimum as shown or, with respect to summer service, to an annual fixed charge. For contracts with a demand rating (CD and Industrial Power) these aspects of the bill are based on measured demand and are subject to minima related to demands established in previous billing periods.

For industrial power service supplied at secondary or rural primary voltage there are 8 rate schedules, as listed in the following table. The alphabetical list of the 97 rural operating areas indicates the schedule number of the power service rate applicable to each area as of December 31, 1962.

Industrial power service at sub-transmission voltage is supplied at special rates established for each customer and based on the cost of power and location of plant.

RATES AND TYPICAL BILLS FOR RURAL ELECTRICAL SERVICEas at December 31, 1962

Rates are quoted on a monthly basis for all services except summer service, which are quoted on an annual basis. All are subject to 10% prompt payment discount.

Class and Rating	Number of Kilowatt-Hours per Month Billed at Uniform Kwh Rate Shown						Minimum Bill per Month (Gross)	Net Monthly Bill for	
	4.5¢	2.6¢	1.1¢	1.5¢	1.7¢	0.5¢		250 kwh	500 kwh
Hamlet Residential								\$	\$
H20 (see note)	60	80	500	All addl.	...	...	1.67	5.39	7.87
H	60	180	500	"	...	...	2.25	6.74	9.22
Rural Residential									
R20 (see note)	60	80	...	All addl.	...	...	1.67	5.79	9.16
R	60	180	...	"	...	...	2.25	6.78	10.15
Suburban Residential									
B	60	180	All addl.	....	...	...	2.25	6.74	9.22
Commercial									
C20 (see note)	60	120	...	All addl.	...	...	1.50	6.18	9.56
C35	90	180	...	"	...	...	2.25	7.39	10.96
C50	150	300	...	"	...	...	3.75	8.42	13.77
CD	15*	30*	...	"	...	...	.40*	8.42	13.77†
Farm—Part I									
(Monthly consumption 2,000 kwh or less)									
F	60	180	...	"	...	...	2.25	6.78	10.15
—Part II									
(Monthly consumption greater than 2,000 kwh, min. demand 10 kw)									
FD . . . . .	...	...	...	....	200*	All addl.	....	
Summer									
(on annual basis)									
S	225\$	675\$	...	All addl.	...	...	44.44\$†	41.40	46.26

Industrial Power

Schedule	No. of Kwh in First Block	No. of Kwh in Second Block	Demand Rate per Kwh	Energy Rate per Kwh for			Net Monthly Bill for Use of 1 Kw of Demand	
				First Block of Kwh	Second Block of Kwh	All Additional Kwh	200 Hours	300 Hours
1	50*	50*	\$ 1.35	¢ 2.3	¢ 1.5	¢ 0.33	\$ 3.22	\$ 3.52
2	50*	50*	1.35	2.6	1.7	0.33	3.45	3.74
3	50*	50*	1.35	2.8	1.8	0.33	3.58	3.88
4	50*	50*	1.35	3.1	2.0	0.33	3.81	4.10
5	50*	50*	1.35	3.4	2.2	0.33	4.03	4.33
6	50*	50*	1.35	3.7	2.4	0.33	4.26	4.55
7	50*	50*	1.35	4.0	2.6	0.33	4.48	4.78
8	50*	50*	1.35	4.6	3.0	0.33	4.93	5.23

* Per kw of demand

\$ Per year

† Includes annual fixed charge of \$22.22

‡ Calculated on basis of minimum demand of 10 kw

NOTE—The H20, R20 and C20 rates were discontinued as of January 1, 1959 except for existing 2-wire services at that date.

Area Industrial Power Service Schedules in Effect

Operating Area	Schedule	Operating Area	Schedule	Operating Area	Schedule
Algoma.....	6	Guelph.....	4	Richmond Hill.....	4
Alliston.....	5	Huntsville.....	5	Ridgetown.....	6
Arnprior.....	4	Kapuskasing.....	6	St. Catharines.....	3
Atikokan.....	8	Kenora.....	8	St. Thomas.....	5
Aylmer.....	5	Kingston.....	4	Sarnia.....	5
Bala.....	4	Kirkland Lake.....	6	Shelburne.....	5
Bancroft.....	7	Kitchener.....	4	Simcoe.....	4
Barrie.....	5	Lakefield.....	4	Stayner.....	4
Beachville.....	4	Lancaster.....	4	Stoney Creek.....	2
Beamsville.....	4	Listowel.....	4	Caledonia Section	4
Belleville.....	4	London.....	5	Stratford.....	4
Blenheim.....	5	Lucan.....	5	Strathroy.....	5
Bowmanville.....	4	Manitoulin.....	8	Sudbury.....	6
Bracebridge.....	4	Markdale.....	4	Sutton.....	5
Brampton.....	4	Markham.....	4	Terrace Bay.....	7
Brantford.....	4	Matheson.....	6	Tillsonburg.....	4
Brockville.....	4	Merlin.....	6	Timmins.....	6
Cannington.....	5	Merrickville.....	4	Tweed.....	5
Cayuga.....	6	Minden.....	6	Uxbridge.....	5
Chatham.....	4	Napanee.....	4	Vankleek Hill.....	4
Clinton.....	5	New Liskeard.....	6	Walkerton.....	5
Cobden.....	4	North Bay.....	6	Wallaceburg.....	5
Coburg.....	4	Norwood.....	5	Warren.....	6
Delta.....	4	Oil Springs.....	6	Welland.....	1
Dryden.....	8	Orangeville.....	6	West Lorne.....	6
Dundas.....	4	Orillia.....	3	Winchester.....	4
Dunnville.....	5	Oshawa.....	4	Wingham.....	5
Elmira.....	4	Ottawa.....	2	Woodbridge.....	5
Essex.....	5	Owen Sound.....	5		
Exeter.....	5	Parry Sound.....	5		
Fenelon Falls.....	5	Penetanguishene....	5		
Forest.....	6	Perth.....	4		
Fort Frances.....	8	Peterborough.....	1		
Frankford.....	4	Picton.....	5		
Geraldton.....	8	Port Arthur.....	5		

MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS
as at December 31, 1962

Operating Areas by Regions	Miles of Primary Line	Number of Customers								Power	Total
		Farm	Residential			Com- mercial	Summer				
			Rural	Hamlet	Sub- urban		Com- mercial	Other			
EAST SYSTEM											
WESTERN											
Aylmer.....	337.60	1,587	246	877	173	248	13	146	11	3,301	
Beachville.....	499.49	1,855	180	1,299	.....	303	4	37	28	3,706
Blenheim.....	142.38	656	154	502	.....	110	13	272	11	1,718
Chatham.....	313.46	1,352	394	766	229	265	.....	.....	16	3,022
Clinton.....	809.33	3,166	185	897	244	406	12	935	20	5,865	
Essex.....	935.11	4,966	553	4,401	1,115	836	101	3,466	144	15,582	
Exeter.....	278.39	1,540	84	292	107	164	13	524	16	2,740	
Forest.....	343.51	1,411	109	224	42	142	65	1,183	10	3,186	
London.....	475.53	1,941	437	1,393	337	412	1	34	70	4,625	
Lucan.....	386.00	1,161	69	163	.....	103	.....	.....	9	1,505
Merlin.....	395.67	1,633	204	355	84	237	2	457	20	2,992	
Oil Springs.....	365.00	1,499	90	246	28	198	.....	.....	27	2,088
Ridgetown.....	371.97	1,412	185	514	.....	207	28	632	16	2,994
St. Thomas.....	310.08	1,214	243	737	647	257	.....	13	12	3,123
Sarnia.....	292.02	1,196	153	1,461	1,367	362	12	500	28	5,079	
Stratford.....	681.38	2,950	208	809	220	371	.....	.....	24	4,582
Strathroy.....	533.05	1,960	326	626	252	281	.....	3	14	3,462
Tillsonburg.....	466.65	1,956	444	1,223	106	372	.....	.....	28	4,129
Wallaceburg.....	472.78	1,809	350	924	527	371	1	384	24	4,390	
West Lorne.....	504.54	1,853	119	315	.....	232	.....	68	16	2,603
Total.....	8,913.94	37,117	4,733	18,024	5,478	5,877	265	8,654	544	80,692	
NIAGARA											
Beamsville.....	382.86	1,979	281	1,751	1,252	413	2	67	48	5,793	
Brantford.....	558.99	2,220	559	801	203	372	4	16	12	4,187	
Cayuga.....	539.98	2,021	292	881	58	299	26	1,734	28	5,339	
Dundas.....	384.13	1,694	308	2,660	1,670	379	.....	3	49	6,763
Dunnville.....	282.18	1,069	313	829	.....	234	71	1,285	13	3,814
Elmira.....	506.70	1,678	217	896	410	318	17	322	23	3,881	
Guelph.....	402.09	1,349	371	1,094	584	261	.....	16	25	3,700
Kitchener.....	476.00	1,629	212	2,260	436	423	.....	169	58	5,187
Listowel.....	678.80	2,888	139	430	351	364	2	140	30	4,344	
St. Catharines.....	210.05	1,148	153	1,109	395	252	.....	195	39	3,291
Simcoe.....	808.46	3,471	1,126	2,073	528	566	64	1,761	32	9,621	
Stoney Creek.....	281.07	956	238	3,387	1,801	487	1	119	77	7,066	
Welland.....	425.02	1,351	500	3,114	1,339	545	38	839	49	7,775	
Total.....	5,936.33	23,453	4,709	21,285	9,027	4,913	225	6,666	483	70,761	

MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS

as at December 31, 1962

Operating Areas by Regions	Miles of Primary Line	Number of Customers								
		Residential				Com- mercial	Summer		Power	Total
		Farm	Rural	Hamlet	Sub- urban		Com- mercial	Other		
EAST SYSTEM —Continued										
CENTRAL										
Bowmanville.....	330.12	964	300	949	163	221	23	106	21	2,747
Brampton.....	451.36	1,323	591	1,963	939	398	18	181	94	5,507
Markham.....	325.24	987	484	1,800	3,895	531	32	496	62	8,287
Oshawa.....	275.95	799	391	2,060	970	350	13	151	38	4,772
Richmond Hill....	318.19	881	263	2,212	5,438	699	4	174	114	9,785
Sutton.....	362.50	985	357	1,174	2,046	399	114	3,381	29	8,485
Woodbridge.....	417.69	1,165	578	1,360	2,419	676	.....	74	118	6,390
Total.....	2,481.05	7,104	2,964	11,518	15,870	3,274	204	4,563	476	45,973
GEORGIAN BAY										
Alliston.....	504.69	1,980	347	826	94	238	7	43	23	3,558
Bala.....	287.71	10	160	464	132	118	103	3,296	3	4,286
Barrie.....	525.51	1,453	656	1,820	1,019	485	101	3,789	30	9,353
Bracebridge.....	528.95	306	536	782	347	242	156	3,619	16	6,004
Cannington.....	506.58	1,221	272	985	12	267	53	3,261	12	6,083
Huntsville.....	668.32	475	779	980	479	368	210	2,993	18	6,302
Markdale.....	665.39	2,283	213	634	106	333	12	893	19	4,493
Orangeville.....	527.84	1,404	523	902	452	373	9	488	24	4,175
Orillia.....	618.79	1,005	505	1,252	1,395	523	148	4,330	20	9,178
Owen Sound.....	967.10	2,516	412	1,356	355	570	183	3,977	23	9,392
Parry Sound.....	506.44	188	520	930	174	275	166	1,824	16	4,093
Penetanguishene...	581.33	954	376	957	214	282	177	6,141	12	9,113
Shelburne.....	595.63	1,904	178	209	.....	187	2	91	.....	2,571
Stayner.....	372.76	1,177	173	837	402	264	253	3,524	8	6,638
Uxbridge.....	514.91	1,573	374	783	319	278	26	1,720	16	5,089
Walkerton.....	998.47	3,726	351	628	272	474	25	815	24	6,315
Wingham.....	707.66	2,684	92	407	285	342	33	897	11	4,751
Total.....	10,078.08	24,859	6,467	14,752	6,057	5,619	1,664	41,701	275	101,394

MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS
as at December 31, 1962

Operating Areas by Regions	Miles of Primary Line	Number of Customers								
		Farm	Residential			Com- mercial	Summer		Power	Total
			Rural	Hamlet	Sub- urban		Com- mercial	Other		
EAST SYSTEM —Continued										
EAST CENTRAL										
Bancroft.....	540.36	599	320	1,028	222	236	101	1,628	6	4,140
Belleville.....	223.60	788	200	1,190	421	269	3	50	22	2,943
Cobourg.....	609.02	1,677	577	1,081	517	321	80	1,115	18	5,386
Fenelon Falls.....	554.76	1,045	146	674	165	270	158	4,106	11	6,575
Frankford.....	605.99	1,998	460	1,476	195	384	37	580	14	5,144
Kingston.....	929.28	1,995	543	2,019	3,141	742	80	1,838	61	10,419
Lakefield.....	504.61	557	225	568	145	197	119	4,052	2	5,865
Minden.....	560.61	352	314	1,046	369	375	165	4,320	5	6,946
Napanee.....	590.19	1,940	375	1,048	248	418	42	511	12	4,594
Norwood.....	400.19	953	187	439	.....	144	40	1,402	4	3,169
Peterborough.....	683.18	1,792	383	1,175	1,721	474	79	1,531	36	7,191
Pictou.....	483.81	1,713	427	1,419	168	330	93	847	15	5,012
Tweed.....	647.62	1,146	622	786	88	327	139	1,067	4	4,179
Total.....	7,333.22	16,555	4,779	13,949	7,400	4,487	1,136	23,047	210	71,563
EASTERN										
Arnprior.....	458.23	1,050	277	713	495	320	44	1,632	23	4,554
Brockville.....	627.75	2,081	577	1,745	509	495	41	1,034	38	6,520
Cobden.....	1,259.55	2,579	770	2,192	1,186	808	132	1,541	40	9,248
Delta.....	480.42	1,053	267	453	218	272	76	1,509	7	3,855
Lancaster.....	607.95	2,249	500	751	706	471	17	452	30	5,176
Merrickville.....	304.11	433	109	254	94	70	2	290	12	1,264
Ottawa.....	841.48	2,337	991	3,563	9,262	1,022	13	404	157	17,749
Perth.....	916.80	2,151	421	1,032	.....	447	71	2,250	13	6,385
Vankleek Hill.....	614.68	2,482	298	926	560	511	11	222	32	5,042
Winchester.....	841.00	3,555	430	1,177	755	619	1	87	48	6,672
Total.....	6,951.97	19,970	4,640	12,806	13,785	5,035	408	9,421	400	66,465

MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS
as at December 31, 1962

Operating Areas by Regions	Miles of Primary Line	Number of Customers								
		Residential				Com- mercial	Summer		Power	Total
		Farm	Rural	Hamlet	Sub- urban		Com- mercial	Other		
EAST SYSTEM —Continued										
NORTHEASTERN										
Algoma	337.60	380	156	1,187	2,719	590	42	331	57	5,462
Kapuskasing	260.01	487	294	967	1,510	304	12	305	17	3,896
Kirkland Lake	128.73	82	79	262	37	89	20	376	5	950
Manitoulin	605.28	856	279	842	677	540	98	797	25	4,114
Matheson	504.24	860	385	527	198	233	8	345	11	2,567
New Liskeard	650.36	1,260	455	678	396	372	47	435	20	3,663
North Bay	837.38	1,101	885	1,779	2,172	614	159	1,367	59	8,136
Sudbury	630.67	306	1,112	2,874	5,468	748	11	1,308	63	11,890
Timmins	88.95	146	50	364	367	96	3	89	12	1,127
Warren	533.66	894	532	815	572	408	113	1,042	14	4,390
Total	4,576.88	6,372	4,227	10,295	14,116	3,994	513	6,395	283	46,195
WEST SYSTEM										
NORTHWESTERN										
Atikokan	22.27	31	47		30	7	19		1	135
Dryden	352.66	383	481	715	177	282	60	402	12	2,512
Fort Frances	561.86	913	361	377	170	310	43	130	3	2,307
Geraldton	137.46	1	20	493	251	253	10	19	27	1,074
Kenora	283.54	164	340	755	1	191	139	991	13	2,594
Port Arthur	903.54	1,063	1,418	2,081	608	508	19	1,395	27	7,119
Terrace Bay	29.47			139	511	104	4	12	8	778
Total	2,290.80	2,524	2,651	4,607	1,718	1,678	282	2,968	91	16,519

SUMMARY—MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS
as at December 31, 1962

Operating Areas by Regions	Miles of Primary Line	Number of Customers									
		Farm	Residential			Com- mercial	Summer			Power	Total
			Rural	Hamlet	Sub- urban		Com- mercial	Other			
EAST SYSTEM											
Western.....	8,913.94	37,117	4,733	18,024	5,478	5,877	265	8,654	544	80,692	
Niagara.....	5,936.33	23,453	4,709	21,285	9,027	4,913	225	6,666	483	70,761	
Central.....	2,481.05	7,104	2,964	11,518	15,870	3,274	204	4,563	476	45,973	
Georgian Bay.....	10,078.08	24,859	6,467	14,752	6,057	5,619	1,664	41,701	275	101,394	
East Central.....	7,333.22	16,555	4,779	13,949	7,400	4,487	1,136	23,047	210	71,563	
Eastern.....	6,951.97	19,970	4,640	12,806	13,785	5,035	408	9,421	400	66,465	
Northeastern.....	4,576.88	6,372	4,227	10,295	14,116	3,994	513	6,395	283	46,195	
Total.....	46,271.47	135,430	32,519	102,629	71,733	33,199	4,415	100,447	2,671	483,043	
WEST SYSTEM											
Northwestern.....	2,290.80	2,524	2,651	4,607	1,718	1,678	282	2,968	91	16,519	
Grand Total....	48,562.27	137,954	35,170	107,236	73,451	34,877	4,697	103,415	2,762	499,562	

Rural Electrical Service 1953 - 1962

CUSTOMERS, REVENUE, AND CONSUMPTION, BY CLASSES OF SERVICE

Class of Service	Year	Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per kwh
		\$	kwh	No.	kwh	¢
*Farm.....	1953	11,053,487.41	507,174,227	133,522	321	2.18
	1954	12,207,502.58	558,196,791	136,013	345	2.19
	1955	12,915,852.58	593,811,187	138,648	360	2.18
	1956	13,671,336.65	642,704,082	139,289	385	2.13
	1957	14,386,097.14	685,863,992	140,604	408	2.10
	1958	15,159,553.04	739,085,422	140,343	438	2.05
	1959	16,122,453.84	804,044,121	140,892	477	2.01
	1960	16,688,958.79	850,192,892	140,782	503	1.96
	1961	17,367,400.00	909,189,400	138,924	542	1.91
	1962	17,975,845.00	971,696,100	137,954	585	1.85
*Hamlet, Rural, and Suburban Residential.....	1953	9,560,018.46	434,197,593	150,627	256	2.20
	1954	11,194,393.02	497,866,573	160,552	267	2.25
	1955	12,734,130.77	577,738,310	177,398	285	2.20
	1956	14,639,910.88	689,671,299	181,113	321	2.12
	1957	16,174,554.38	780,555,462	196,025	345	2.07
	1958	17,732,046.03	905,280,698	207,570	374	1.96
	1959	18,862,773.02	988,315,209	218,287	387	1.91
	1960	20,151,434.03	1,070,637,716	221,915	405	1.88
	1961	20,494,966.00	1,096,653,000	205,822	427	1.87
	1962	21,366,479.00	1,153,182,400	215,857	456	1.85
*Commercial..... (including Summer Commercial)	1953	3,385,239.46	148,710,923	28,870	464	2.28
	1954	3,707,824.28	165,639,114	30,403	466	2.24
	1955	3,996,936.76	186,151,526	32,509	493	2.15
	1956	4,444,185.15	210,438,939	33,481	532	2.11
	1957	4,855,540.79	232,393,865	35,179	564	2.09
	1958	5,346,040.16	259,521,547	36,966	600	2.06
	1959	5,764,611.07	282,562,584	38,176	627	2.04
	1960	6,099,889.90	301,874,591	38,887	653	2.02
	1961	6,425,565.00	324,871,900	38,496	700	1.98
	1962	6,739,668.00	343,061,600	39,574	732	1.96
*Summer.....	1953	1,833,881.12	34,137,172	57,547	51	5.37
	1954	2,034,199.00	38,460,430	62,183	54	5.29
	1955	2,214,360.48	40,361,920	68,600	51	5.49
	1956	2,478,450.51	45,989,563	74,390	54	5.39
	1957	2,709,831.47	50,674,936	79,792	55	5.35
	1958	2,943,051.21	55,170,380	85,611	56	5.33
	1959	3,170,306.65	60,345,721	91,390	57	5.25
	1960	4,141,665.36	67,785,615	95,196	61	6.11
	1961	4,358,812.00	74,693,800	99,032	64	5.84
	1962	4,613,953.00	83,051,000	103,415	68	5.56
Industrial Power....	1953	2,147,899.48	121,310,479	1,389	8,222	1.77
	1954	2,545,737.21	148,176,508	1,466	8,964	1.72
	1955	2,934,852.81	171,202,169	1,681	9,067	1.71
	1956	3,402,416.31	207,252,224	1,782	9,975	1.64
	1957	3,732,252.41	225,748,793	2,011	9,920	1.65
	1958	4,410,317.84	278,005,882	2,113	11,235	1.59
	1959	4,612,172.64	287,458,107	2,325	10,795	1.60
	1960	5,017,774.81	325,416,458	2,511	11,215	1.54
	1961	5,414,240.00	354,069,300	2,475	11,835	1.53
	1962	6,236,466.00	418,959,700	2,762	13,333	1.49

*Beginning in 1959, consumption for flat-rate water heaters was estimated on the basis of 16.8 hours' daily use instead of 20 hours' daily use as previously. The data for previous years in this table have been adjusted to the same basis.



APPENDIX IV—LEGISLATIVE

AT the 1961-62 Session of the Legislative Assembly of the Province of Ontario three Acts respecting The Hydro-Electric Power Commission of Ontario were passed. These Acts are reproduced here in full, the short titles being as follows:

The Ontario Hydro-Employees' Union Dispute Act, 1961-62, Chapter 94.

The Power Commission Amendment Act, 1961-62, Chapter 106.

The Power Commission's Systems Consolidation Act, 1961-62, Chapter 107.

ACTS

CHAPTER 94

**An Act respecting a Certain Dispute between
The Hydro-Electric Power Commission of
Ontario and The Ontario Hydro
Employees' Union, N.U.P.S.E., C.L.C.**

Assented to April 5th, 1962

Session Prorogued April 18th, 1962

WHEREAS The Hydro-Electric Power Commission of Ontario ^{Preamble}
and The Ontario Hydro Employees' Union, N.U.P.S.E.,

C.L.C., have been parties to several collective agreements, the latest of which has expired;

AND WHEREAS the Commission and the Union have bargained for a new collective agreement and to that end have exhausted conciliation services under *The Labour Relations Act*;

R.S.O. 1960,
c. 202

AND WHEREAS the terms of the new collective agreement remain unsettled;

AND WHEREAS the public interest requires that means be found for the settlement of all issues between the Commission and the Union in order that a new collective agreement may be consummated;

Therefore, Her Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Interpre-
tation

1. In this Act,

- (a) "collective agreement" has the same meaning as in *The Labour Relations Act*;
- (b) "Commission" means The Hydro-Electric Power Commission of Ontario;
- (c) "lock-out" has the same meaning as in *The Labour Relations Act*;
- (d) "person" includes the Union;
- (e) "strike" has the same meaning as in *The Labour Relations Act*;
- (f) "Union" means The Ontario Hydro Employees' Union, N.U.P.S.E., C.L.C.

R.S.O. 1960,
c. 202

Appointment
of arbitrator

2.—(1) The Lieutenant Governor in Council shall appoint an arbitrator to examine into and decide all matters that were in dispute between the Commission and the Union on the 24th day of August, 1961, and such other matters as the Commission and the Union may agree upon and that appear to the arbitrator to be necessary to be decided in order to conclude a collective agreement between the Commission and the Union.

Powers of
arbitrator

(2) The arbitrator shall have all the powers of an arbitrator under *The Labour Relations Act*, and the arbitrator shall remain seized of and may deal with all matters referred to in subsection 1 until a new

collective agreement between the Commission and the Union has been consummated under this Act.

(3) *The Arbitrations Act* does not apply to the arbitration under this Act. R.S.O. 1960, c. 18, not to apply

3.—(1) The decision of the arbitrator under this Act shall be binding Decision binding upon the Commission and the Union and the employees on whose behalf the Union is entitled to bargain with the Commission under *The Labour Relations Act*.

(2) Upon receipt of the decision of the arbitrator under this Act, Agreement to be made the Commission and the Union shall consummate a collective agreement incorporating therein the terms of such decision.

(3) Where the Commission or the Union has failed to comply with Enforcement of decision any of the terms of the decision of the arbitrator under this Act, the Commission or the Union, as the case may be, may, after the expiration of fourteen days from the date of the release of the decision or the date provided in the decision for compliance, whichever is later, file in the office of the Registrar of the Supreme Court a copy of the decision, exclusive of the reasons therefor, whereupon the decision shall be entered in the same way as a judgment or order of that court and is enforceable as such.

4. The Commission and the Union shall assume its own costs of Costs the arbitration proceedings, and the cost of the arbitrator shall be paid out of the Consolidated Revenue Fund.

5.—(1) Notwithstanding any other Act, the Commission shall not Lock-outs and strikes prohibited call or authorize a lock-out of any employee on whose behalf the Union is entitled to bargain with the Commission under *The Labour Relations Act*, and the Union shall not call or authorize a strike of any such employees, and no officer, official or agent of either the Commission or the Union shall counsel, procure, support or encourage any such lock-out or strike.

(2) Notwithstanding any other Act, no employee on whose behalf Idem the Union is entitled to bargain with the Commission under *The Labour Relations Act* shall strike. R.S.O. 1960, c. 202

(3) Every person who at the commencement of this Act was authorized on behalf of the Union to call or authorize a strike of any of the employees of the Commission shall forthwith give notice Suspension of strike notice to such employees that any call, authorization or direction to go on strike given to them before the commencement of this Act has been suspended by reason of the coming into force of this Act.

Working
conditions
may not
be altered

(4) So long as this Act is in force, the Commission shall not, except with the consent of the Union, alter the rates of wages or any other term or condition of employment of the employees on whose behalf the Union is entitled to bargain with the Commission under *The Labour Relations Act* that were in effect when this Act came into force.

Offences
and
penalties

6.—(1) Every person who calls or authorizes or counsels, procures, supports or encourages a lock-out or strike contrary to this Act or who fails to give the notice mentioned in subsection 3 of section 5 is guilty of an offence and on summary conviction is liable to a fine of not less than \$100 and not more than \$1,000 for each day or part of a day during which the lock-out or strike exists.

Idem

(2) Every person who engages in a lock-out or strike contrary to this Act is guilty of an offence and on summary conviction is liable to a fine of not less than \$10 and not more than \$50 for each day or part of a day during which the lock-out or strike exists.

Consent to
prosecute

7. No prosecution shall be instituted under this Act without the consent of the Ontario Labour Relations Board.

Disposition
of fines

8. Every fine recovered for an offence under this Act shall be paid to the Treasurer of Ontario and shall form part of the Consolidated Revenue Fund.

Commence-
ment

9. This Act comes into force on the day it receives Royal Assent and is repealed on the day on which a new collective agreement between the Commission and the Union commences to operate.

Short title

10. This Act may be cited as *The Ontario Hydro-Employees' Union Dispute Act, 1961-62*.

CHAPTER 106

An Act to amend The Power Commission Act

Assented to March 30th, 1962

Session Prorogued April 18th, 1962

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. Section 1 of *The Power Commission Act* is amended by adding thereto the following clause:

R.S.O. 1960,
c. 300, s. 1,
amended

(aa) "buildings" includes all buildings, structures and works that the Commission deems necessary for the purposes of this Act.

2. Subsection 1 of section 2 of *The Power Commission Act* is amended by striking out "and one of whom shall be a member" in the fourth and fifth lines, so that the subsection shall read as follows:

R.S.O. 1960,
c. 300, s. 2,
subs. 1,
amended

(1) The Commission shall continue to be a body corporate, and shall consist of not less than three and not more than six persons appointed by the Lieutenant Governor in Council, two of whom may be members of the Executive Council.

3. Clause *b* of section 17 of *The Power Commission Act* is amended by striking out "rural power districts" in the third and fourth lines and inserting in lieu thereof "the rural power district", so that the clause shall read as follows:

R.S.O. 1960,
c. 300, s. 17,
cl. b,
amended

(b) such sums as are appropriated by the Commission for sinking fund purposes out of the revenues received from the supply of power in the rural power district.

4. Clause *a* of section 26 of *The Power Commission Act* is repealed and the following substituted therefor:

R.S.O. 1960,
c. 300, s. 26,
cl. a,
re-enacted

(a) for the purposes of standardizing and making uniform the periodicity in alternations of current at which it supplies power, alter, reconstruct, rebuild, reassemble, construct, extend, replace or do whatever else may be necessary in respect of its works, works held by it under section 86 and, with their consent, works wherever situate of other persons who are supplying or purchasing or otherwise delivering or accepting delivery of power to or from the Commission.

R.S.O. 1960,
c. 300, s. 55,
subs. 2,
cl. f,
amended

5. Clause f of subsection 2 of section 55 of *The Power Commission Act* is amended by striking out "or in respect of the acquisition or construction of works referred to in section 64 or in section 65" in the third and fourth lines, so that the clause shall read as follows:

- (f) carrying out any of the powers and purposes of the Commission referred to in sections 24 to 29, 38 and 86, or carrying out any of the powers and purposes of the Commission referred to in *The Niagara Development Act, 1951* or in *The St. Lawrence Development Act, 1952 (No. 2)* providing in whole or in part for expenditures of the Commission made or to be made in connection therewith, reimbursing the Commission for any such expenditures heretofore or hereafter made, and repaying in whole or in part any temporary borrowings of the Commission for any of such purposes.

1951, c. 55;
1952
(2nd Sess.),
c. 3

R.S.O. 1960,
c. 300,
ss. 64, 65,
repealed

6. Sections 64 and 65 of *The Power Commission Act* are repealed.

R.S.O. 1960,
c. 300, s. 72,
subs. 1,
amended

7.—(1) Subsection 1 of section 72 of *The Power Commission Act* is amended by striking out "sections 64, 88 and 92" in the fourth line and inserting in lieu thereof "section 88", so that the subsection shall read as follows:

Supply of
power

- (1) In addition to the powers conferred upon it by this Act or any other Act to contract with municipal corporations for the supply by it of power and to contract with persons pursuant to section 88, the Commission, subject to the approval of the Lieutenant Governor in Council, may contract with any other person for the supply of power to such person upon such terms and conditions as the Commission deems proper.

R.S.O. 1960,
c. 300, s. 72,
subs. 3,
re-enacted

(2) Subsection 3 of the said section 72 is repealed and the following substituted therefor:

Application
of net
surplus

- (3) Any net surplus made by the Commission in supplying power under subsection 1 shall be applied as the Commission may determine from time to time for adjusting and proportioning and making equitable and stabilizing the rates for power payable to the Commission.

R.S.O. 1960,
c. 300, s. 72,
subs. 4,
amended

(3) Subsection 4 of the said section 72 is amended by striking out "clauses a, b, c and d of" in the sixth and seventh lines, so that the subsection shall read as follows:

Determina-
tion of
net surplus

- (4) Net surplus referred to in subsection 3 shall be determined by deducting from the revenue received from supplying power under subsection 1 all moneys placed to the credit of

the frequency standardization reserve account pursuant to subsection 2 and an amount determined by the Commission for costs and charges as enumerated in section 78.

8. Subsections 2 and 3 of section 86 of *The Power Commission Act* are repealed and the following substituted therefor: R.S.O. 1960,
c. 300, s. 86,
subss. 2, 3,
re-enacted

- (2) There shall be one rural power district comprising all of the territory of Ontario excepting the areas of all municipal corporations and police villages that have contracted with the Commission for the supply of power at cost or that hereafter so contract. Rural
power
district
- (3) The Commission may, on behalf of the corporation as well as on its own behalf, Commission
powers
 - (a) acquire, construct, extend, reconstruct, hold, maintain, operate and administer all lands and works necessary for the transmission to and the transforming and distributing in the rural power district of power;
 - (b) supply power to any customer or at any premises in the rural power district;
 - (c) perform, enjoy and enforce all contracts in which the corporation agrees to supply or sell power to any customer or at any premises in the rural power district.

9. Section 92 of *The Power Commission Act* is repealed. R.S.O. 1960,
c. 300, s. 92,
repealed

10. Section 93 of *The Power Commission Act* is amended by striking out "except where the contract is with a municipal corporation for the supply of power from any of the works mentioned in section 64" in the sixth, seventh and eighth lines, so that the section shall read as follows: R.S.O. 1960,
c. 300, s. 93,
amended

93. All the provisions of Part II as to the annual payments to be made by the municipal corporations that have entered into contracts with the Commission apply to a contract entered into under this Part, and extend to the works constructed under the contract for transforming, distributing and supplying power in a rural power district. Application
of Part II
as to annual
payments

11. Subsection 2 of section 111 of *The Power Commission Act* is amended by striking out "shall" in the ninth line and inserting in lieu thereof "may", so that the subsection shall read as follows: R.S.O. 1960,
c. 300, s. 111,
subs. 2,
amended

Municipal
commission,
how
composed
in city of
60,000
or over

- (2) Notwithstanding *An Act respecting the City of Toronto*, being chapter 119 of the Statutes of Ontario, 1911, in a city having a population of 60,000 or over according to the last enumeration of the assessor, the corporation of which has entered into a contract with the Commission under this Act, the commission to be established for the control and management of the construction, operation and maintenance of all works undertaken by the corporation for the distribution and supply of power may consist of three members, one of whom shall be the mayor of the city, one of whom shall be appointed by the municipal council of the city for two years and until his successor is appointed, and the third of whom shall be appointed by the Commission for two years and until his successor is appointed, and such appointees are eligible for re-appointment.

Commence-
ment

- 12.**—(1) This Act, except section 2, shall be deemed to have come into force on the 1st day of January, 1962.

Idem

- (2) Section 2 comes into force on the day this Act receives Royal Assent.

Short title

- 13.** This Act may be cited as *The Power Commission Amendment Act, 1961-62*.

CHAPTER 107

An Act to effect the Consolidation of All Works and Systems of The Hydro-Electric Power Commission of Ontario

Assented to March 30th, 1962

Session Prorogued April 18th, 1962

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Interpre-
tation

- 1.** In this Act, "Commission" means The Hydro-Electric Power Commission of Ontario.

Northern
Ontario
Properties
vested in
Commission

- 2.** All works for the generation, transmission or distribution of power in any of the territorial districts of Ontario as set forth in *The*

Territorial Division Act and all other assets related thereto now held by the Commission in trust for Her Majesty or in trust for the municipalities comprised in the Commission's Thunder Bay System, all as described in section 65 of *The Power Commission Act* as the "Northern Ontario Properties", are hereby vested absolutely in the Commission.

R.S.O. 1960,
cc. 395, 300

3. The agreement entered into by His Majesty and the Commission dated the 30th day of June, 1933, pursuant to section 43a of *The Power Commission Act*, is terminated.

Agreement
terminated

R.S.O. 1927,
c. 57

4.—(1) The amounts heretofore charged and received under power contracts by the Commission from persons supplied by it with power for the account of Her Majesty for repayment of indebtedness incurred or assumed by the Commission with respect to the "Northern Ontario Properties" in respect of which Her Majesty heretofore had a beneficial interest shall be transferred and allocated by the Commission as it, in its discretion, determines for the benefit of such persons.

Amounts
received
under power
contracts
allocated
for benefit
of con-
tributors

(2) The amounts heretofore charged and received from each municipality comprised in the Commission's Thunder Bay System for repayment of indebtedness incurred or assumed by the Commission with respect to the "Northern Ontario Properties" are preserved for the benefit of each such municipality.

Amounts
received
from muni-
cipalities
preserved
for their
benefit

5. All contracts for the supply or purchase of power within the territorial districts of Ontario heretofore entered into by the Commission shall be deemed hereafter to have been entered into on its own behalf.

Power
contracts
in
territorial
districts

6. This Act shall be deemed to have come into force on the 1st day of January, 1962.

Commence-
ment

7. This Act may be cited as *The Power Commission's Systems Consolidation Act, 1961-62*:

Short title

ORDER IN COUNCIL

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities and corporations mentioned in the following list were approved by Order in Council:

TOWNS

	Date of Agreement
Hearst.....	Nov. 8, 1962
Rainy River.....	Nov. 19, 1962
Sioux Lookout.....	Nov. 19, 1962

TOWNSHIP

Airy	May 15, 1962
------------	--------------

POLICE VILLAGE

King City	June 25, 1962
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CORPORATIONS

Abitibi Power & Paper Company, Limited	July 23, 1962
Agnico Mines Limited	June 1, 1962
Associated Arcadia Nickel Corporation Limited	Aug. 28, 1962
Beaver Wood Fibre Company Limited	Mar. 14, 1962
Brockville Chemicals Limited	April 9, 1962
Canada Cement Company, Limited	April 13, 1962
Canadian Carborundum Company, Limited	Dec. 20, 1962
Canadian Gypsum Company, Limited	June 18, 1962
Canadian Industries Limited	Mar. 27, 1962
Canadian Industries Limited	Nov. 15, 1962
Canadian International Paper Company	Dec. 26, 1962
Canadian Johns-Manville Company, Limited	July 23, 1962
Canadian Niagara Power Company, Limited	Dec. 18, 1962
Dominion Magnesium Limited	Oct. 22, 1962
Du Pont of Canada Limited	Dec. 31, 1961
Falconbridge Nickel Mines, Limited	Dec. 27, 1962
Glen Lake Silver Mines Limited	Sept. 27, 1962
Great Lakes Paper Company Limited	Nov. 13, 1962
Her Majesty the Queen in right of Canada, represented by the Minister of National Defence	Sept. 19, 1962
Her Majesty the Queen in right of Canada, represented by the Minister of National Defence	Sept. 19, 1962
Her Majesty the Queen in right of Canada, represented by the Minister of National Defence	Dec. 21, 1962
Her Majesty the Queen in right of Canada, represented by the Minister of Transport	Feb. 7, 1962
Industrial Minerals of Canada Limited	June 1, 1962
Interprovincial Pipe Line Company	Oct. 3, 1962
Jones & Laughlin Steel Corporation	Feb. 21, 1962
Kenilworth Mines Limited	Oct. 15, 1962
KVP Company Limited	Mar. 28, 1962
Light Alloys Limited	Jan. 12, 1962
Lowphos Ore, Limited	Dec. 17, 1962
Macassa Gold Mines Limited	July 23, 1962
McKenzie Red Lake Gold Mines Limited	July 23, 1962
Nickel Mining & Smelting Corporation	Jan. 15, 1962
Nova Beaucage Mines Limited	July 11, 1962
Ontario Paper Company, Limited	Feb. 23, 1962
Pax International Mines Limited	Aug. 22, 1962
Pfizer Corporation	Feb. 14, 1962
Silver-Miller Mines Limited	Oct. 15, 1962
Silver-Miller Mines Limited	Dec. 5, 1962
Spruce Falls Power and Paper Company Limited	May 4, 1962
Sun-Canadian Pipe Line Company Limited	July 20, 1962

SUPPLEMENT

MUNICIPAL ELECTRICAL SERVICE

THIS supplement to the report on the Commission's principal activities is concerned with retail electrical service. It brings together for review services provided by the associated municipal electrical utilities, and the Commission's retail operations exclusive of rural service, which is dealt with in Section III.

In 1962, a total of 1,460,553 retail customers were served by 355 municipally owned electrical utilities, 354 utilities being supplied by the Commission with power at cost and one at a fixed rate. The Commission's retail operations provided service to 30,964 customers in 28 towns and villages where there are no municipally owned distribution systems. The classification of the combined total of 1,491,517 customers, together with statistics relative to the respective classes of service is indicated in the table on page 156, and supplementary information is given for individual municipalities in Statements "A", "B", "C", and "D".

Only the 355 municipal utilities are included in Statements "A" and "B". The other two statements include, in addition, the 28 towns and villages in which the Commission owns and operates the electric distribution facilities for service to retail customers. Statement "C" gives rate schedules, and typical monthly bills for selected levels of kilowatt-hour consumption. Statement "D" gives information supplementary to that given in Statement "B" regarding customers, revenue, and consumption, both total and average per customer, as well as average unit costs for the three main classes of service. The population

Municipal Electrical Service
CUSTOMERS, REVENUE, AND CONSUMPTION
1953 to 1962

Service	Year	Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per kwh
		\$	kwh	No.	kwh	¢
Residential	1953	44,647,668	3,734,160,562	877,323	355	1.20
	1954	50,833,346	4,246,511,375	930,674	380	1.20
	1955	55,241,247	4,667,789,930	970,829	401	1.18
	1956	61,234,494	5,191,581,628	1,031,482	419	1.18
	1957	65,842,103	5,602,672,756	1,072,868	435	1.18
	1958	69,804,608	6,036,470,489	1,139,061	442	1.16
	1959	73,955,229	6,540,969,291	1,194,878	456	1.13
	1960	78,337,615	6,944,659,090	1,234,903	469	1.13
	1961	83,682,550	7,400,028,084	1,307,893	472	1.13
	1962	89,016,406	7,852,651,665	1,346,408	486	1.13
Commercial	1953	23,603,194	1,526,535,177	119,498	1,065	1.55
	1954	26,293,250	1,694,071,712	123,884	1,140	1.55
	1955	28,576,115	1,858,974,388	127,913	1,211	1.54
	1956	31,423,691	2,081,200,929	127,497*	1,360	1.51
	1957	33,901,487	2,270,913,902	124,757*	1,517	1.49
	1958	35,968,060	2,445,225,765	122,446*	1,664	1.47
	1959	38,079,501	2,669,327,226	120,733*	1,842	1.43
	1960	41,229,320	2,921,670,317	123,441*	1,972	1.41
	1961	45,718,484	3,289,119,534	122,863*	2,231	1.39
	1962	49,438,348	3,633,872,392	121,964*	2,483	1.36
Industrial Power	1953	38,482,884	3,948,124,809	20,885	15,753	0.98
	1954	40,855,075	4,089,513,923	21,671	15,726	1.00
	1955	44,270,882	4,637,527,118	22,237	17,379	0.96
	1956	47,808,610	5,140,704,025	22,809*	18,782	0.93
	1957	50,124,976	5,366,245,253	22,607*	19,781	0.93
	1958	52,741,979	5,651,743,390	23,077*	20,409	0.93
	1959	61,167,603	7,052,152,034	23,545*	24,960	0.87
	1960	64,057,506	7,326,683,025	23,613*	25,857	0.87
	1961	69,215,271	7,994,001,074	23,179*	28,740	0.87
	1962	74,198,657	8,704,987,001	23,145*	31,342	0.85

*Irregular variations from year to year in numbers of customers result from reclassifications from commercial to residential and from industrial power to commercial service billing.

NOTE: Kwh consumption figures for residential and commercial service in the above table reflect the use of flat-rate water heaters for a uniform average of 16.8 hours per day.

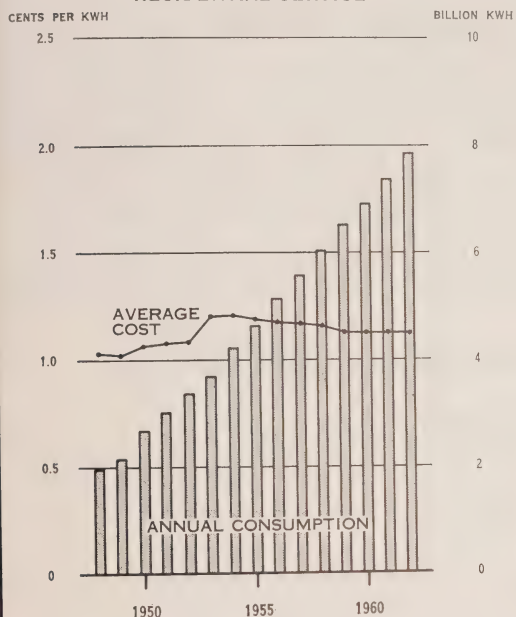
figures given are for the most part those recorded in the Municipal Directory for 1963 published by the Department of Municipal Affairs of Ontario.

Annual growth in revenue in 1962 ranged from 6.4 per cent for residential service to 7.2 and 8.1 per cent for industrial power and commercial service respectively. For industrial power and commercial service total consumption increased at a more rapid rate than revenue so that average cost per kilowatt-hour fell. With respect to residential service, growth in total consumption was only slightly lower than growth in revenue so that average cost remained at the same level as in 1961. For both residential and commercial service, average cost is still well below the level in 1940, notwithstanding the greatly reduced purchasing power of the dollar. Although there was some improvement in 1962 over 1961, there has been quite clearly a downward trend in the rate of growth

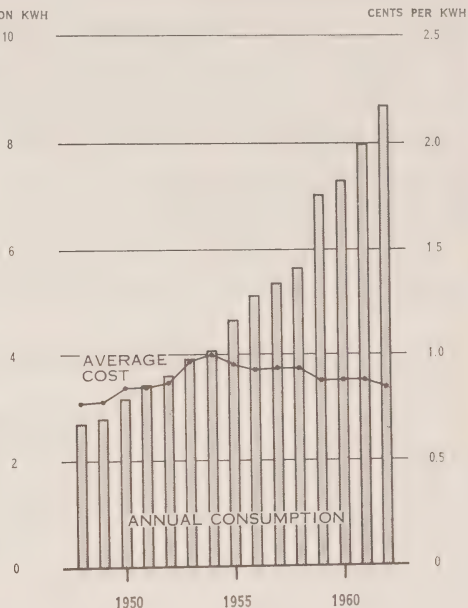
MUNICIPAL ELECTRICAL SERVICE

ANNUAL ENERGY CONSUMPTION AND AVERAGE COST PER KILOWATT-HOUR

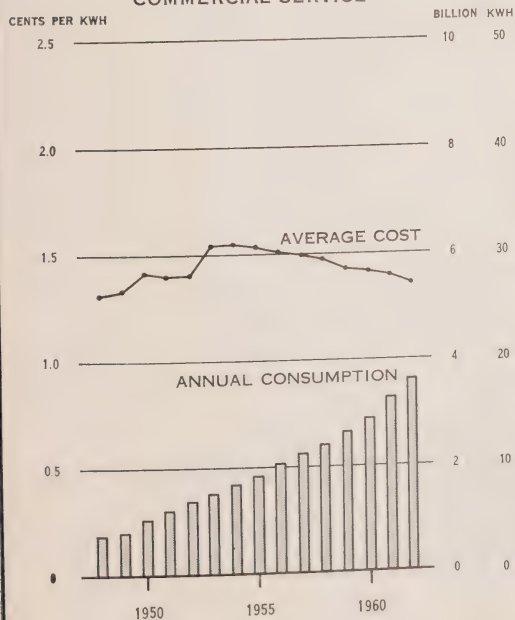
RESIDENTIAL SERVICE



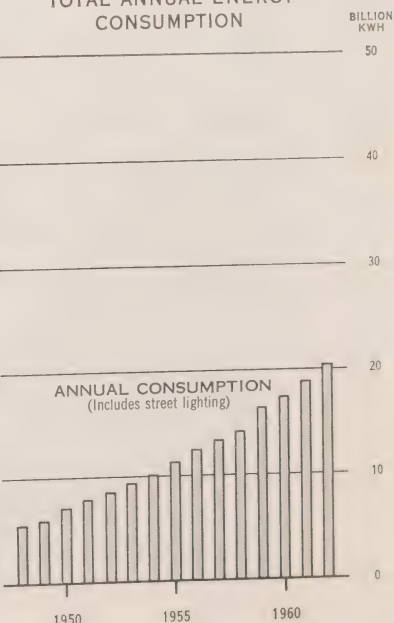
INDUSTRIAL POWER SERVICE



COMMERCIAL SERVICE



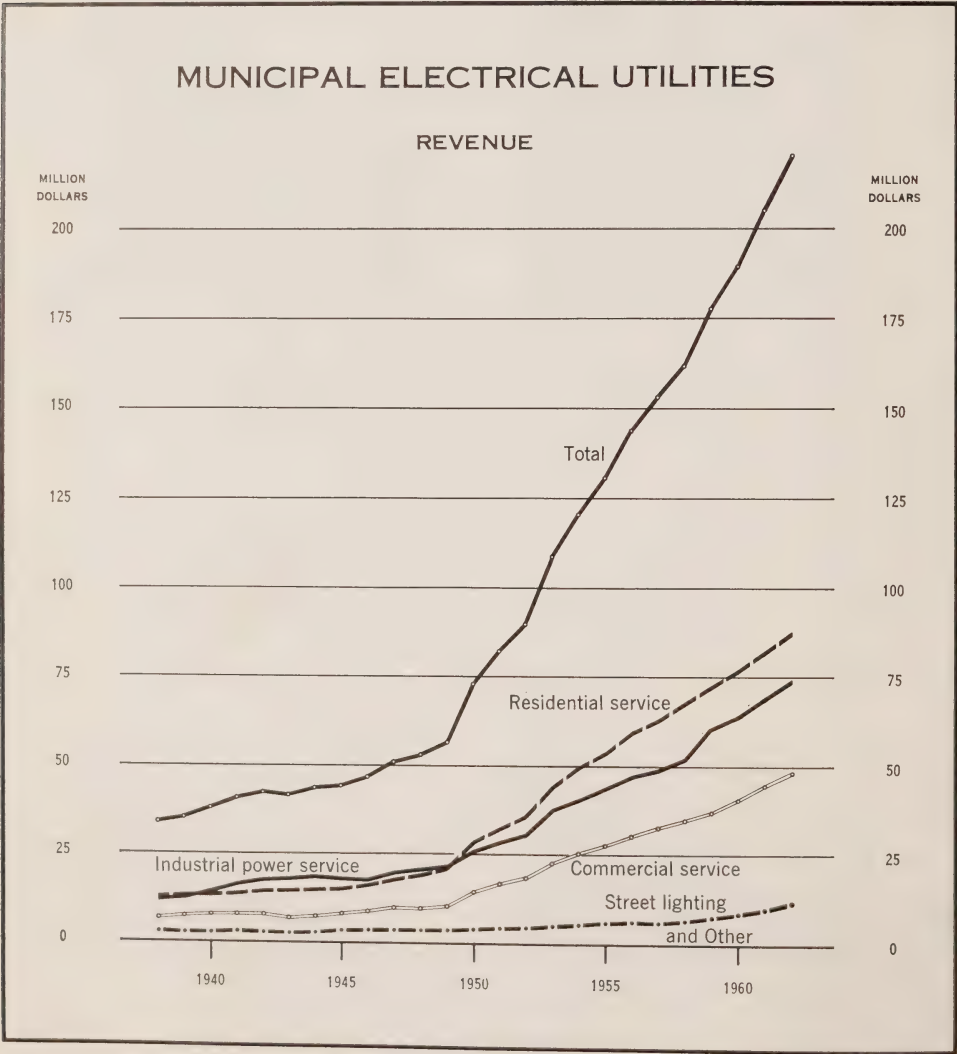
TOTAL ANNUAL ENERGY CONSUMPTION



in monthly consumption per residential customer. This underlines the importance of an aggressive and successful load-building program in order to improve and extend the use of power distribution facilities and thereby ensure the continuance of the low unit cost of electricity.

MUNICIPAL ELECTRICAL UTILITIES

The first two of the four statements that comprise the major part of this supplement deal with the financial operations of the 355 municipal electrical utilities. Entitled "Statements A and B" they include a balance sheet and an operating statement for each utility, arranged in alphabetical order. They are summarized on page 163 for convenient comparison with corresponding figures for the previous nine years.



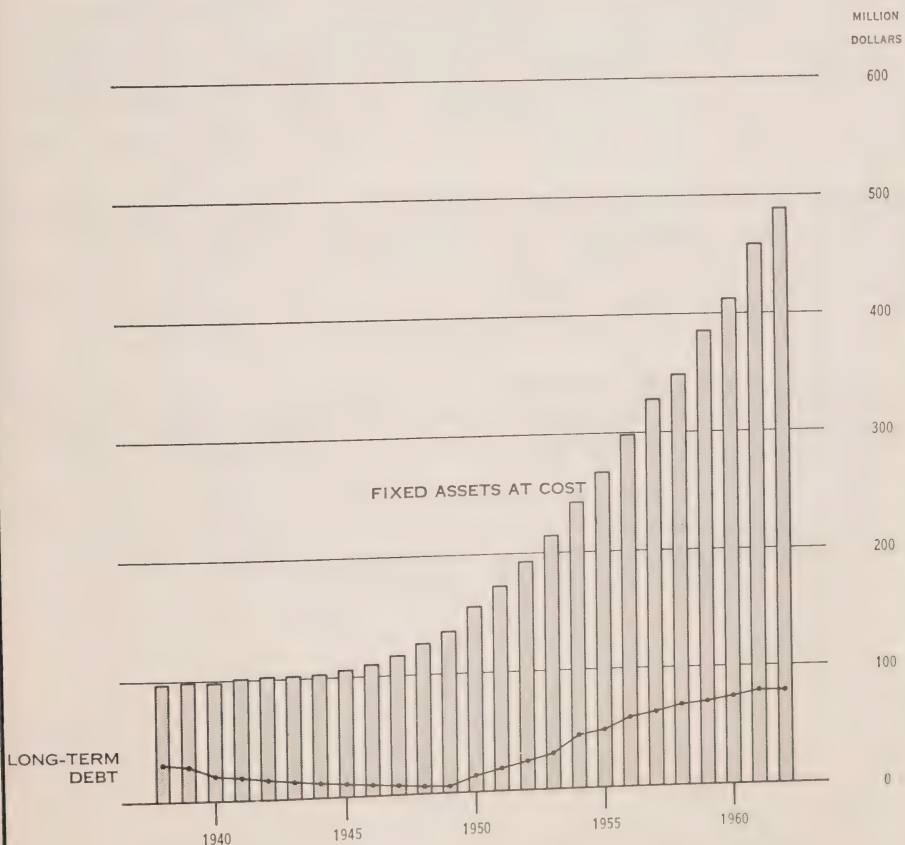
Summary of Financial Position

Total assets of the municipal electrical utilities, after deducting accumulated depreciation, were \$751,930,873, of which \$305,826,987 had been contributed through the cost of power over the years towards the retirement of the Commission's long-term debt. This contribution to the Commission's system capital therefore represents a growing equity of the utilities in the Commission's system. The accumulated contributions differ from the sum of the sinking fund reserves shown on the Commission's Balance Sheet (see page 25) as contributed by the municipal electrical utilities only because most of the utilities close their books for the year before the Commission's annual calculation of sinking fund is available. The utility balance sheet figures for the equity account are therefore for the most part one year in arrears.

The investment of the municipal electrical utilities in fixed assets at cost increased by \$31,000,451 during 1962 to a total of \$488,393,074, against which depreciation of \$109,914,757 had been accumulated.

MUNICIPAL ELECTRICAL UTILITIES

FIXED ASSETS AND LONG-TERM DEBT



Net long-term debt, that is debentures outstanding less local sinking fund, increased by only \$304,731 to \$78,855,297, and at the end of the year was 16.1 per cent of the cost of fixed assets as compared with 17.2 per cent at the end of 1961.

Revenue and Cost

The total revenue of \$220,851,809 in 1962 is greater than the 1961 total by 7.6 per cent, and its origins were as follows:

Class of Service	Revenue	Per Cent of Total
Residential.....	\$ 87,017,333	39.4
Commercial.....	48,333,500	21.9
Industrial power.....	73,893,132	33.5
Street lighting.....	7,168,052	3.2
Other.....	4,439,792	2.0
TOTAL.....	\$220,851,809	100.0

The revenue derived from street lighting is based on estimated consumption only (see table on page 96). In each of the operating statements of the utilities it is included in the amount shown for sales of electric energy. Street-lighting revenue can be derived for any utility by subtracting from the revenue shown in Statement "B" the sum of the revenues for the same utility shown in Statement "D".

Though the utilities in 1962 purchased 8.0 per cent more energy from the Commission than in 1961, their cost for power purchased was up by only 6.4 per cent. Total expenses at \$199,746,135 were up by 6.3 per cent over expenses in 1961, leaving a net income of \$21,105,674, which amounts to 9.6 per cent of total revenues as compared with 8.4 per cent in 1961.

A margin of net income provides both an economical source of funds for normal expansion and a stabilizing factor in retail rate adjustment. The Commission takes this into consideration when reviewing municipal retail rates.

Under The Power Commission Act the Commission exercises supervisory control over the activities of the municipal electrical utilities, and their rates to ultimate customers are subject to the Commission's approval.

MUNICIPAL ELECTRICAL SERVICE

Statistical Tables

STATEMENTS A and B—

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STATEMENT C—

Rates and Typical Bills for Electrical Service Provided by the 355 Municipal Electrical Utilities and by Commission-owned Distribution Facilities in 28 Towns and Villages.....	214
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Customers, Revenue, and Consumption in Municipalities Served by the 355 Municipal Electrical Utilities and by Commission-owned Distribution Facilities in 28 Towns and Villages.....	236
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MUNICIPAL ELECTRICAL UTILITIES

Year.....	1953	1954	1955	1956
Number of municipalities included....	332	338	343	350
A. BALANCE SHEETS				
FIXED ASSETS	\$	\$	\$	\$
Plant and facilities at cost.....	214,595,382	243,525,700	267,090,752	298,832,207
Accumulated depreciation.....	54,282,571	58,973,786	62,413,111	66,539,420
Net fixed assets.....	160,312,811	184,551,914	204,677,641	232,292,787
CURRENT ASSETS				
Cash on hand and in bank.....	4,884,136	7,376,869	9,277,807	9,858,536
Investment in government securities	10,716,659	16,361,137	17,392,469	15,512,896
Accounts receivable (Net).....	10,298,699	10,695,799	9,939,403	12,776,466
Total current assets.....	25,899,494	34,433,805	36,609,679	38,147,898
OTHER ASSETS				
Inventory of stores.....	7,527,844	7,413,229	7,900,466	9,681,858
Sinking fund on local debentures...	410,806	383,454	383,751	290,682
Miscellaneous.....	2,393,860	3,465,797	2,323,308	2,399,184
Total other assets.....	10,332,510	11,262,480	10,607,525	12,371,724
Equity in Ontario Hydro Systems....	140,068,857	152,461,822	167,250,921	183,262,708
	336,613,672	382,710,021	419,145,766	466,075,117
LIABILITIES				
Debentures outstanding.....	29,827,723	45,645,051	49,776,907	58,528,557
Accounts payable.....	10,943,035	11,090,473	10,574,522	11,633,156
Other.....	2,224,181	2,843,742	3,493,146	3,910,276
Total liabilities.....	42,994,939	59,579,266	63,844,575	74,071,989
RESERVES				
Equity in Ontario Hydro Systems...	140,068,857	152,461,822	167,250,921	183,262,708
Other.....	8,153,001	8,095,705	7,765,477	6,948,236
Total reserves.....	148,221,858	160,557,527	175,016,398	190,210,944
CAPITAL				
Debentures redeemed.....	61,417,714	64,210,220	66,488,672	69,338,990
Local sinking fund.....	410,806	383,454	383,751	290,682
Accumulated net income invested in plant or held as working funds...	83,934,775	98,687,493	114,727,112	132,983,134
Frequency standardization expense charged this year.....	366,420	707,939	1,314,742	820,622
Total capital.....	145,396,875	162,573,228	180,284,793	201,792,184
	336,613,672	382,710,021	419,145,766	466,075,117
B. OPERATING STATEMENTS				
REVENUE				
Sales of electric energy.....	107,997,010	119,510,834	129,810,298	142,629,092
Other.....	1,257,311	1,345,281	1,457,199	1,554,347
Total revenue.....	109,254,321	120,856,115	131,267,497	144,183,439
EXPENSE				
Power purchased.....	69,750,630	75,589,512	79,779,898	87,344,024
Local generation.....	319,744	426,606	459,594	501,386
Operation and maintenance.....	10,674,897	11,527,269	12,076,620	13,406,955
Administration.....	8,236,239	9,299,705	9,896,805	11,015,893
Fixed charges—interest and principal	2,400,468	3,242,705	4,216,877	4,744,936
—depreciation.....	5,832,594	6,547,361	7,193,495	7,709,546
—other.....	147,083	141,824	144,121	59,374
Total expense.....	97,361,655	106,774,982	113,767,410	124,782,114
Net income or net expense.....	11,892,666	14,081,133	17,500,087	19,401,325
Number of customers.....	986,144	1,045,742	1,089,835	1,153,371

CONSOLIDATED FINANCIAL STATEMENTS 1953-1962

1957	1958	1959	1960	1961	1962
351	354	354	354	354	355
\$ 327,925,974 68,975,083	\$ 349,706,161 72,673,866	\$ 385,419,306 77,551,575	\$ 413,611,989 82,246,973	\$ 457,392,623 100,165,249	\$ 488,393,074 109,914,757
258,950,891	277,032,295	307,867,731	331,365,016	357,227,374	378,478,317
10,819,896	10,769,037	10,400,010	12,250,801	15,105,454	18,063,961
14,174,408	13,333,906	15,560,183	13,990,120	14,672,152	16,984,376
12,573,922	13,911,267	13,463,791	12,868,807	14,190,953	15,807,380
37,568,226	38,014,210	39,423,984	39,109,728	43,968,559	50,855,717
9,579,584	17,237,653	9,381,215	9,197,511	9,590,459	9,742,156
561,622	1,033,436	1,726,182	2,316,958	3,261,509	4,312,070
1,894,582	2,214,392	2,421,279	2,553,588	2,643,494	2,715,626
12,035,788	20,485,481	13,528,676	14,068,057	15,495,462	16,769,852
200,293,236	218,736,441	238,790,589	261,101,650	282,255,861	305,826,987
508,848,141	554,268,427	599,610,980	645,644,451	698,947,256	751,930,873
63,315,360	69,363,792	70,456,844	74,429,684	81,812,075	83,167,367
11,226,905	10,105,465	10,589,995	10,485,382	12,594,844	12,753,744
4,207,237	6,175,200	6,565,031	7,146,524	7,860,946	8,254,687
78,749,502	85,644,457	87,611,870	92,061,590	102,267,865	104,175,798
200,293,236	218,736,441	238,790,589	261,101,650	282,255,861	305,826,987
5,658,849	3,507,375	2,864,918	2,920,005	2,468,637	2,481,991
205,952,085	222,243,816	241,655,507	264,021,655	284,724,498	308,308,978
72,087,556	75,021,200	77,881,620	81,266,027	84,572,157	88,386,510
561,622	1,033,436	1,726,182	2,316,958	3,261,509	4,312,070
152,057,614	170,871,551	190,444,985	205,984,657	224,121,227	246,747,517
560,238	546,033	290,816	6,436	.....	.....
224,146,554	246,380,154	270,343,603	289,561,206	311,954,893	339,446,097
508,848,141	554,268,427	599,610,980	645,644,451	698,947,256	751,930,873
151,855,664	160,700,759	175,686,813	186,599,701	201,891,409	216,412,017
1,580,224	1,723,986	2,400,070	2,720,870	3,274,114	4,439,792
153,435,888	162,424,745	178,086,883	189,320,571	205,165,523	220,851,809
92,682,089	98,563,451	111,160,867	122,634,361	130,857,200	139,291,682
575,771	509,240	531,076	536,118	529,955	570,500
14,362,587	15,544,060	17,065,080	18,273,164	19,486,528	20,760,837
12,086,583	13,654,386	14,954,828	15,766,246	17,342,308	18,482,105
5,504,842	6,175,773	6,824,770	7,440,556	8,203,772	8,912,277
8,389,004	9,216,594	10,030,350	10,750,710	11,466,692	11,655,654
53,525	13,060	14,316	22,506	81,734	73,080
133,654,401	143,676,564	160,581,287	175,423,661	187,968,189	199,746,135
19,781,487	18,748,181	17,505,596	13,896,910	17,197,334	21,105,674
1,192,357	1,255,805	1,310,099	1,351,915	1,423,427	1,460,553

Municipal Electrical Utilities Financial

Municipality.....	Acton	Ailsa Craig	Ajax	Alexandria	Alfred	Alliston
Population.....	4,290	516	7,720	2,488	965	3,046
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	412,071	46,187	953,104	284,370	82,638	245,488
Accumulated depreciation.....	68,498	3,589	219,734	81,115	22,282	72,763
Net fixed assets.....	343,573	42,598	733,370	203,255	60,356	172,725
CURRENT ASSETS						
Cash on hand and in bank.....	28,028	10,644	138,977	3,614	9,983	8,894
Investment in government securities	25,000			13,000		18,000
Accounts receivable (Net).....	6,410	139	25,001	3,071	3,081	1,779
Total current assets.....	59,438	10,783	163,978	19,685	13,064	28,673
OTHER ASSETS						
Inventory of stores.....	1,284		26,375	12,108		4,972
Sinking fund on local debentures...						
Miscellaneous.....	222		5,830		518	
Total other assets.....	1,506		32,205	12,108	518	4,972
Equity in Ontario Hydro Systems...	423,806	56,125	130,092	162,539	10,614	158,576
	828,323	109,506	1,059,645	397,587	84,552	364,946
LIABILITIES						
Debentures outstanding.....	54,800		374,000		28,000	
Accounts payable.....	640		5,387	4,225	204	2,126
Other.....	10,247	1,788	59,499	12,990	1,873	4,953
Total liabilities.....	65,687	1,788	438,886	17,215	30,077	7,079
RESERVES						
Equity in Ontario Hydro Systems..	423,806	56,125	130,092	162,539	10,614	158,576
Other.....						
Total reserves.....	423,806	56,125	130,092	162,539	10,614	158,576
CAPITAL						
Debentures redeemed.....	29,139	6,883	74,050	53,078	10,000	29,990
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	309,691	44,710	416,617	164,755	33,861	169,301
Total capital.....	338,830	51,593	490,667	217,833	43,861	199,291
	828,323	109,506	1,059,645	397,587	84,552	364,946
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	251,569	19,579	377,632	107,360	34,462	132,003
Other.....	1,396	216	14,049	5,984	274	4,425
Total revenue.....	252,965	19,795	391,681	113,344	34,736	136,428
EXPENSE						
Power purchased.....	178,768	12,196	214,137	85,237	20,834	92,704
Local generation.....						
Operation and maintenance.....	20,352	1,721	20,031	6,517	2,512	15,180
Administration.....	12,677	1,106	51,972	9,524	2,962	12,474
Fixed charges—interest and principal	5,424		36,159	2,072	2,855	
—depreciation.....	9,348	1,109	24,157	7,206	2,531	5,705
—other.....						
Total expense.....	226,569	16,132	346,456	110,556	31,694	126,063
Net income or net expense.....	26,396	3,663	45,225	2,788	3,042	10,365
Number of customers.....	1,328	224	2,250	899	314	1,126

Statements for the Year Ended December 31, 1962

Almonte	Alvinston	Amherst- burg	Ancaster Twp.	Apple Hill	Arkona	Arnprior	Arthur	Athens
3,448	645	4,440	13,661	400	456	5,546	1,278	984
\$ 456,376 95,843	\$ 63,203 20,660	\$ 442,833 98,324	\$ 280,602 55,970	\$ 24,927 6,976	\$ 46,709 12,152	\$ 495,069 79,851	\$ 126,551 27,146	\$ 67,496 14,706
360,533	42,543	344,509	224,632	17,951	34,557	415,218	99,405	52,790
7,481	5,400	13,366	16,877	3,566	5,678	39,820	.....	1,004
33,000	3,500	27,944	.....	3,000	4,000	.....	10,000	14,000
4,604	438	4,349	116	345	1,746	2,190	4,811	1,822
45,085	9,338	45,659	16,993	6,911	11,424	42,010	14,811	16,826
8,096	.....	8,724	555	.....	.....	3,154	.....	.....
.....	.....	193	987	.....	.....	.....	424	.....
8,096	.....	8,917	1,542	.....	.....	3,154	424	.....
68,385	58,412	335,996	145,135	14,337	35,048	246,846	90,178	38,340
482,099	110,293	735,081	388,302	39,199	81,029	707,228	204,818	107,956
.....	.....	9,500	64,369	.....	.....	53,530	12,000	.....
22,549	549	1,103	1,321	.....	.....	3,757	7,048	1,357
1,747	115	3,758	2,327	45	65	7,904	818	249
24,296	664	14,361	68,017	45	65	65,191	19,866	1,606
68,385	58,412	335,996	145,135	14,337	35,048	246,846	90,178	38,340
545	.....	.....	.....	.....	.....	718	.....	.....
68,930	58,412	335,996	145,135	14,337	35,048	247,564	90,178	38,340
72,000	23,529	58,927	63,877	5,080	13,113	91,938	23,913	12,988
.....
316,873	27,688	325,797	111,273	19,737	32,803	302,535	70,861	55,022
388,873	51,217	384,724	175,150	24,817	45,916	394,473	94,774	68,010
482,099	110,293	735,081	388,302	39,199	81,029	707,228	204,818	107,956
122,070	17,955	214,306	141,033	6,581	21,225	226,242	44,261	21,111
3,882	162	2,851	469	163	154	4,070	447	643
125,952	18,117	217,157	141,502	6,744	21,379	230,312	44,708	21,754
72,843	10,860	141,364	81,796	3,702	15,642	160,263	30,469	16,893
9,401	.....	.....	.....	.....	.....	.....	.....	.....
9,632	1,523	16,117	10,333	1,128	489	11,489	4,790	1,242
12,935	3,133	19,918	12,643	936	1,127	19,788	3,176	1,536
.....	.....	4,786	9,074	.....	.....	8,541	.....	.....
10,341	2,066	10,933	7,544	712	1,431	13,046	3,437	1,874
.....
115,152	17,582	193,118	121,390	6,478	18,689	213,127	41,872	21,545
10,800	535	24,039	20,112	266	2,690	17,185	2,836	209
1,118	331	1,454	1,121	119	184	1,784	511	374

Municipal Electrical Utilities Financial

Municipality.....	Atikokan Twp. 6,336	Aurora 9,141	Avonmore 243	Aylmer 4,462	Ayr 1,051	Baden 920
Population.....						
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	550,628	710,740	26,641	372,260	83,370	74,639
Accumulated depreciation.....	112,545	145,269	6,773	119,234	15,326	17,898
Net fixed assets.....	438,083	565,471	19,868	253,026	68,044	56,741
CURRENT ASSETS						
Cash on hand and in bank.....	35,606	104,135	229	21,980	7,227	8,212
Investment in government securities	75,000				10,500	9,500
Accounts receivable (Net).....	6,995	5,096	68	3,932	109	1,585
Total current assets.....	117,601	109,231	297	25,912	17,836	19,297
OTHER ASSETS						
Inventory of stores.....	1,557	1,508		672	87	115
Sinking fund on local debentures...						
Miscellaneous.....	13,063	4,961	459	517		
Total other assets.....	14,620	6,469	459	1,189	87	115
Equity in Ontario Hydro Systems...	105,430	220,912	5,441	316,208	77,060	124,346
	675,734	902,083	26,065	596,335	163,027	200,499
LIABILITIES						
Debentures outstanding.....	318,000	215,000	12,500	35,000		
Accounts payable.....	1,858	1,103	73	341	1,016	72
Other.....	54,382	17,591	2,196	3,597	597	150
Total liabilities.....	374,240	233,694	14,769	38,938	1,613	222
RESERVES						
Equity in Ontario Hydro Systems...	105,430	220,912	5,441	316,208	77,060	124,346
Other.....						
Total reserves.....	105,430	220,912	5,441	316,208	77,060	124,346
CAPITAL						
Debentures redeemed.....	82,000	9,509	1,500	53,702	17,503	5,000
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds...	114,064	437,968	4,355	187,487	66,851	70,931
Total capital.....	196,064	447,477	5,855	241,189	84,354	75,931
	675,734	902,083	26,065	596,335	163,027	200,499
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	266,942	366,125	11,594	210,270	43,649	41,664
Other.....	8,043	16,557	83	2,371	400	291
Total revenue.....	274,985	382,682	11,677	212,641	44,049	41,955
EXPENSE						
Power purchased.....	157,447	239,540	6,362	175,644	29,917	29,114
Local generation.....						
Operation and maintenance.....	18,297	26,642	788	10,789	4,191	2,475
Administration.....	35,180	28,777	977	12,964	2,487	3,130
Fixed charges—interest and principal	34,256	20,419	1,348	5,185		
—depreciation.....	14,523	15,411	739	10,521	2,342	1,913
—other.....						
Total expense.....	259,703	330,789	10,214	215,103	38,937	36,632
Net income or net expense.....	15,282	51,893	1,463	2,462	5,112	5,323
Number of customers.....	1,740	2,814	114	1,560	385	287

Statements for the Year Ended December 31, 1962

Bancroft	Barrie	Barry's Bay	Bath	Beachburg	Beachville	Beamsville	Beaverton	Beeton
2,398	22,048	1,442	691	539	879	2,584	1,171	834
\$ 331,743 81,989	\$ 2,087,804 647,958	\$ 88,193 9,927	\$ 68,834 16,648	\$ 64,315 16,706	\$ 112,887 34,168	\$ 166,204 38,450	\$ 131,524 27,596	\$ 71,961 10,909
249,754	1,439,846	78,266	52,186	47,609	78,719	127,754	103,928	61,052
26,625	11,986	8,878	9,711	20,473	7,225	12,399	6,154	
14,062	6,000	662	185	2,956	1,060	261	3,830	
15,076	38,537	3,137	662	185	2,956	1,060	261	3,830
41,701	52,599	15,123	9,540	9,896	68,429	12,285	12,660	15,984
9,930	34,582					578	69	
3,703	4,816		200	1,465			26	
13,633	39,398		200	1,465		578	95	
44,053	1,101,358	15,271	20,373	1,414	214,429	97,873	101,015	65,000
349,141	2,633,201	108,660	82,299	60,384	361,577	237,912	218,181	142,131
63,500			7,000	49,100				
1,492	17,937	632	131	361	456	3,343	78	1,048
3,290	22,843	270	647	50	481	1,949	735	847
68,282	40,780	902	7,778	49,511	937	5,292	813	1,895
44,053	1,101,358	15,271	20,373	1,414	214,429	97,873	101,015	65,000
44,053	1,101,358	15,271	20,373	1,414	214,429	97,873	101,015	65,000
69,000	65,366	7,500	10,500	2,900	5,537	37,500	12,839	13,610
167,806	1,425,697	84,987	43,648	6,559	140,674	97,247	103,514	61,626
236,806	1,491,063	92,487	54,148	9,459	146,211	134,747	116,353	75,236
349,141	2,633,201	108,660	82,299	60,384	361,577	237,912	218,181	142,131
102,234	974,647	24,244	23,638	25,196	109,659	87,455	65,676	29,430
489	17,267	524		353	2,366	1,661	1,689	170
102,723	991,914	24,768	23,638	25,549	112,025	89,116	67,365	29,600
53,375	647,402	17,328	13,993	12,856	88,031	63,572	45,261	20,856
4,227								
6,433	100,575	1,896	1,032	1,368	1,342	7,800	5,264	1,625
8,022	75,985	3,231	2,081	1,216	2,893	7,802	5,561	1,609
9,134			913	4,538				
8,495	51,600	2,299	2,092	1,724	3,368	4,415	3,626	1,956
89,686	875,562	24,754	20,111	21,702	95,634	83,589	59,712	26,046
13,037	116,352	14	3,527	3,847	16,391	5,527	7,653	3,554
804	7,347	411	251	218	305	905	578	315

Municipal Electrical Utilities Financial

Municipality.....	Belle River	Belleville	Blenheim	Bloomfield	Blyth	Bobcaygeon
Population.....	1,894	30,332	3,147	721	756	1,233
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	127,682	2,511,857	328,810	61,275	75,128	237,764
Accumulated depreciation.....	21,010	553,277	61,176	21,166	15,211	62,134
Net fixed assets.....	106,672	1,958,580	267,634	40,109	59,917	175,630
CURRENT ASSETS						
Cash on hand and in bank.....	.....	73,144	4,689	4,382	3,249	11,086
Investment in government securities	7,000	.....	9,824	6,993	9,767	.....
Accounts receivable (Net).....	676	52,632	3,022	257	224	779
Total current assets.....	7,676	125,776	17,535	11,632	13,240	11,865
OTHER ASSETS						
Inventory of stores.....	875	57,947	1,379	450	58	3,819
Sinking fund on local debentures.....	.....	.....	.....	.....	.....	.....
Miscellaneous.....	1,029	.....	588	350	.....	3,890
Total other assets.....	1,904	57,947	1,967	800	58	7,709
Equity in Ontario Hydro Systems.....	69,977	1,466,206	184,444	41,180	62,253	34,402
	186,229	3,608,509	471,580	93,721	135,468	229,606
LIABILITIES						
Debentures outstanding.....	1,400	389,000	36,097	.....	.....	84,100
Accounts payable.....	6,051	132	375	50	336	2,114
Other.....	1,432	55,030	6,317	653	257	7,381
Total liabilities.....	8,883	444,162	42,789	703	593	93,595
RESERVES						
Equity in Ontario Hydro Systems..	69,977	1,466,206	184,444	41,180	62,253	34,402
Other.....	.....	1,186	.....	.....	.....	.....
Total reserves.....	69,977	1,467,392	184,444	41,180	62,253	34,402
CAPITAL						
Debentures redeemed.....	19,100	185,997	62,363	9,797	16,033	4,900
Local sinking fund.....	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds..	88,269	1,510,958	181,984	42,041	56,589	96,709
Total capital.....	107,369	1,696,955	244,347	51,838	72,622	101,609
	186,229	3,608,509	471,580	93,721	135,468	229,606
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	55,654	1,217,600	118,374	22,270	42,377	64,172
Other.....	973	21,559	3,646	370	547	1,145
Total revenue.....	56,627	1,239,159	122,020	22,640	42,924	65,317
EXPENSE						
Power purchased.....	31,373	790,731	62,014	16,315	33,118	33,029
Local generation.....	.....	.....	.....	.....	.....	.....
Operation and maintenance.....	8,421	93,802	11,524	1,542	6,539	7,358
Administration.....	6,807	83,557	16,153	2,402	2,238	8,012
Fixed charges—interest and principal	1,540	35,058	8,225	.....	.....	8,279
—depreciation.....	3,159	60,529	8,782	1,923	2,025	7,064
—other.....	.....	.....	.....	.....	.....	.....
Total expense.....	51,300	1,063,677	106,698	22,182	43,920	63,742
Net income or net expense.....	5,327	175,482	15,322	458	996	1,575
Number of customers.....	711	10,273	1,196	315	337	801

Statements for the Year Ended December 31, 1962

Bolton	Bothwell	Bowman- ville	Bracebridge	Bradford	Braeside	Brampton	Brantford	Brantford Twp.
2,105	806	7,347	3,032	2,344	533	22,101	54,372	7,997
\$ 189,763 35,552	\$ 68,922 23,293	\$ 741,881 260,723	\$ 888,671 223,778	\$ 275,897 63,377	\$ 44,045 3,010	\$ 2,566,443 301,965	\$ 5,161,414 1,292,899	\$ 1,150,584 323,965
154,211	45,629	481,158	664,893	212,520	41,035	2,264,478	3,868,515	826,619
1,465	4,133	37,498	14,663	23,904	9,447	200	185,044	40,362
.....	5,050	119,296	.....	8,000	10,000	1,500	32,000	25,000
4,958	2,856	5,989	3,126	6,315	96	47,207	87,282	6,783
6,423	12,039	162,783	17,789	38,219	19,543	48,907	304,326	72,145
758	400	13,278	10,798	9,506	.....	75,613	81,785	21,307
3,051	.....	292	10,036	416	.....	6,203	1,625	56
3,809	400	13,570	20,834	9,922	.....	81,816	83,410	21,363
89,451	65,240	527,574	2,399	126,330	33,416	927,057	5,012,449	266,375
253,894	123,308	1,185,085	705,915	386,991	93,994	3,322,258	9,268,700	1,186,502
60,347	.....	.....	213,439	.....	833	743,000	455,088	442,109
4,130	676	4,576	669	314	256	295,444	9,185	1,446
5,845	93	3,651	810	2,541	247	49,937	75,915	21,610
70,322	769	8,227	214,918	2,855	1,336	1,088,381	540,188	465,165
89,451	65,240	527,574	2,399	126,330	33,416	927,057	5,012,449	266,375
89,451	65,240	527,574	2,399	126,330	33,416	927,057	5,012,449	266,375
21,723	5,534	71,000	292,361	23,351	5,167	187,644	989,595	119,106
72,398	51,765	578,284	196,237	234,455	54,075	1,119,176	2,726,468	335,856
94,121	57,299	649,284	488,598	257,806	59,242	1,306,820	3,716,063	454,962
253,894	123,308	1,185,085	705,915	386,991	93,994	3,322,258	9,268,700	1,186,502
83,706	27,245	300,171	140,664	113,421	65,781	1,040,315	2,279,410	445,959
1,453	791	13,223	1,668	1,734	61	26,375	15,751	1,551
85,159	28,036	313,394	142,332	115,155	65,842	1,066,690	2,295,161	447,510
51,755	14,418	221,880	13,690	72,846	57,012	618,728	1,577,150	249,732
.....	.....	.....	36,308	.....	.....	.....	.....	.....
5,997	3,131	32,946	24,874	13,421	885	55,361	165,941	38,746
7,738	4,764	18,940	14,942	10,907	1,531	65,918	144,880	29,954
6,081	.....	29,824	29,824	.....	441	74,901	62,921	43,154
4,765	1,978	19,952	19,849	6,348	977	47,721	133,707	33,344
76,336	24,291	293,718	139,487	103,522	60,846	862,629	2,084,599	394,930
8,823	3,745	19,676	2,845	11,633	4,996	204,061	210,562	52,580
665	328	2,520	1,169	847	159	6,785	17,362	2,389

Municipal Electrical Utilities Financial

Municipality.....	Brechin	Bridgeport	Bridgen	Brighton	Brockville	Brussels
Population.....	268	1,702	540	2,545	17,949	831
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	23,065	97,561	50,386	246,265	2,124,432	82,836
Accumulated depreciation.....	4,319	24,434	12,314	36,392	503,071	8,736
Net fixed assets.....	18,746	73,127	38,072	209,873	1,621,361	74,100
CURRENT ASSETS						
Cash on hand and in bank.....	2,185	1,750	4,387	701	33,417	7,213
Investment in government securities	7,000	5,000	3,028	.....	12,000	.....
Accounts receivable (Net).....	271	600	857	1,435	57,913	1,236
Total current assets.....	9,456	7,350	8,272	2,136	103,330	8,449
OTHER ASSETS						
Inventory of stores.....	.....	40	.....	8,910	36,619	183
Sinking fund on local debentures.....	.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	.....	317	2,273	6,770	.....
Total other assets.....	.....	40	317	11,183	43,389	183
Equity in Ontario Hydro Systems.....	23,035	57,854	45,462	106,913	1,227,141	73,415
	51,237	138,371	92,123	330,105	2,995,221	156,147
LIABILITIES						
Debentures outstanding.....	.....	15,087	.....	36,700	517,000	6,000
Accounts payable.....	.....	178	302	967	92,961	563
Other.....	200	2,136	192	3,674	34,043	1,203
Total liabilities.....	200	17,401	494	41,341	644,004	7,766
RESERVES						
Equity in Ontario Hydro Systems..	23,035	57,854	45,462	106,913	1,227,141	73,415
Other.....	.....	.....	.....	.....	.....	.....
Total reserves.....	23,035	57,854	45,462	106,913	1,227,141	73,415
CAPITAL						
Debentures redeemed.....	2,664	16,440	8,000	28,300	216,770	22,000
Local sinking fund.....	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds..	25,338	46,676	38,167	153,551	907,306	52,966
Total capital.....	28,002	63,116	46,167	181,851	1,124,076	74,966
	51,237	138,371	92,123	330,105	2,995,221	156,147
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	7,242	49,456	16,882	84,666	795,885	39,767
Other.....	234	462	268	233	23,679	275
Total revenue.....	7,476	49,918	17,150	84,899	819,564	40,042
EXPENSE						
Power purchased.....	3,806	35,848	10,021	56,520	514,559	27,837
Local generation.....	.....	.....	.....	.....	.....	.....
Operation and maintenance.....	947	1,928	2,235	8,409	78,454	1,686
Administration.....	750	7,058	1,803	8,471	74,763	2,684
Fixed charges—interest and principal	.....	1,480	.....	3,470	53,784	1,353
—depreciation.....	624	2,859	1,490	5,677	48,923	2,083
—other.....	.....	.....	.....	.....	.....	.....
Total expense.....	6,127	49,173	15,549	82,547	770,483	35,643
Net income or net expense.....	1,349	745	1,601	2,352	49,081	4,399
Number of customers.....	96	467	218	1,035	6,157	379

Statements for the Year Ended December 31, 1962

Burford	Burgessville	Burk's Falls	Burlington	Cache Bay	Caledonia	Campbell- ford	Campbell- ville	Cannington
1,066	259	926	48,482	780	2,286	3,502	235	1,003
\$	\$	\$	\$	\$	\$	\$	\$	\$
99,860	25,421	87,590	4,753,861	56,760	184,033	709,798	20,125	78,587
28,084	7,874	17,091	809,819	13,848	41,197	160,441	4,267	20,810
71,776	17,547	70,499	3,944,042	42,912	142,836	549,357	15,858	57,777
2,795	4,479	6,412	14,607	2,867	2,310	57,522	1,184	16,613
3,500	1,500	4,900	37,500	17,849	.....	.....	2,414	14,000
1,301	175	1,937	95,658	2,447	1,381	9,200	704	353
7,596	6,154	13,249	147,765	23,163	3,691	66,722	4,302	30,966
134	.....	95	49,223	479	428	10,268	.....	.....
.....
.....	38	718	81,506	1,409	1,977	2,621	23	280
134	38	813	130,729	1,888	2,405	12,889	23	280
77,523	24,847	22,728	879,775	3,618	113,652	7,211	16,573	72,084
157,029	48,586	107,289	5,102,311	71,581	262,584	636,179	36,756	161,107
9,710	.....	5,773	1,806,300	4,000	1,500	144,100	.....	.....
507	1	1,402	55,154	11	584	5,439	551	1,583
1,366	.....	298	193,898	75	2,428	7,803	.....	435
11,583	1	7,473	2,055,352	4,086	4,512	157,342	551	2,018
77,523	24,847	22,728	879,775	3,618	113,652	7,211	16,573	72,084
.....
77,523	24,847	22,728	879,775	3,618	113,652	7,211	16,573	72,084
11,144	3,500	29,227	434,076	22,530	14,025	8,400	5,448	14,532
.....
56,779	20,238	47,861	1,733,108	41,347	130,395	463,226	14,184	72,473
67,923	23,738	77,088	2,167,184	63,877	144,420	471,626	19,632	87,005
157,029	48,586	107,289	5,102,311	71,581	262,584	636,179	36,756	161,107
45,407	12,724	43,454	2,321,075	30,187	70,104	146,994	9,123	37,123
1,113	161	580	29,517	1,216	218	2,809	191	851
46,520	12,885	44,034	2,350,592	31,403	70,322	149,803	9,314	37,974
32,514	8,526	27,312	1,328,969	19,816	42,688	28,218	7,383	23,904
.....	.....	.....	.....	.....	.....	22,249	.....	.....
5,265	944	3,347	145,610	1,900	7,443	10,841	420	2,428
3,394	591	3,491	164,489	2,352	8,876	25,847	685	2,761
1,216	.....	3,039	184,634	2,241	589	12,938	.....	.....
2,637	785	2,253	108,335	1,736	4,797	13,371	596	2,374
.....
45,026	10,846	39,442	1,932,037	28,045	64,393	113,464	9,084	31,467
1,494	2,039	4,592	418,555	3,358	5,929	36,339	230	6,507
423	100	355	14,466	194	830	1,386	93	453

Municipal Electrical Utilities Financial

Municipality.....	Capreol	Cardinal	Carleton Place	Casselman	Cayuga	Chalk River
Population.....	2,978	1,980	4,756	1,250	971	1,079
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	237,691	87,264	310,519	95,405	98,630	74,192
Accumulated depreciation.....	45,344	16,016	74,111	14,954	23,455	17,186
Net fixed assets.....	192,347	71,248	236,408	80,451	75,175	57,006
CURRENT ASSETS						
Cash on hand and in bank.....	40,370	3,721	.....	13,564	1,650	3,850
Investment in government securities.....	.....	1,500	15,100	14,000	6,000	.....
Accounts receivable (Net).....	580	609	11,126	26	409	238
Total current assets.....	40,950	5,830	26,226	27,590	8,059	4,088
OTHER ASSETS						
Inventory of stores.....	.....	.....	5,229	.....	226	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....	.....
Miscellaneous.....	4,870	.....	.....	4,838	.....	2,634
Total other assets.....	4,870	.....	5,229	4,838	226	2,634
Equity in Ontario Hydro Systems.....	12,276	70,729	419,875	21,897	51,934	15,125
	250,443	147,807	687,738	134,776	135,394	78,853
LIABILITIES						
Debentures outstanding.....	79,300	.....	12,500	42,500	.....	44,500
Accounts payable.....	610	43	10,650	908	967	845
Other.....	5,785	150	3,693	60	1,162	430
Total liabilities.....	85,695	193	26,843	43,468	2,129	45,775
RESERVES						
Equity in Ontario Hydro Systems.....	12,276	70,729	419,875	21,897	51,934	15,125
Other.....	.....	.....	.....	.....	.....	.....
Total reserves.....	12,276	70,729	419,875	21,897	51,934	15,125
CAPITAL						
Debentures redeemed.....	42,700	11,014	60,797	27,500	20,000	10,500
Local sinking fund.....	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds.....	109,772	65,871	180,223	41,911	61,331	7,453
Total capital.....	152,472	76,885	241,020	69,411	81,331	17,953
	250,443	147,807	687,738	134,776	135,394	78,853
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	128,452	47,128	196,412	48,613	33,692	26,857
Other.....	550	206	1,020	803	280	93
Total revenue.....	129,002	47,334	197,432	49,416	33,972	26,950
EXPENSE						
Power purchased.....	78,287	35,360	137,543	30,725	21,085	18,243
Local generation.....	.....	.....	.....	.....	.....	.....
Operation and maintenance.....	6,613	4,477	17,750	1,708	3,797	1,715
Administration.....	14,748	3,063	19,563	4,179	5,161	1,853
Fixed charges—interest and principal.....	8,438	.....	1,414	5,279	.....	4,557
—depreciation.....	5,891	2,426	8,197	2,493	2,743	2,148
—other.....	.....	.....	.....	.....	.....	.....
Total expense.....	113,977	45,326	184,467	44,384	32,786	28,516
Net income or net expense.....	15,025	2,008	12,965	5,032	1,186	1,566
Number of customers.....	1,015	672	1,778	380	380	292

Statements for the Year Ended December 31, 1962

Chapleau Twp. 3,752	Chatham 29,681	Chatsworth 383	Chesley 1,667	Chesterville 1,270	Chippawa 3,340	Clifford 547	Clinton 3,462	Cobden 926
\$ 160,486 12,773	\$ 3,367,051 872,143	\$ 34,115 9,328	\$ 120,529 42,721	\$ 92,820 20,477	\$ 238,225 45,618	\$ 48,880 12,012	\$ 330,521 73,382	\$ 73,465 12,512
147,713	2,494,908	24,787	77,808	72,343	192,607	36,868	257,139	60,953
41,743	18,194	5,779	10,309	20,580	17,634	9,385	19,840	5,371
.....	140,000	6,000	26,725	6,000	.....	6,034	.....	6,000
7,515	175,706	670	860	4,353	3,219	264	2,253	425
49,258	333,900	12,449	37,894	30,933	20,853	15,683	22,093	11,796
.....	92,927	.....	708	.....	947	.....	6,520	.....
4,825	45,535	1,301	129	60	528	.....	303	.....
4,825	138,462	1,301	837	60	1,475	.....	6,823	.....
.....	2,080,008	28,625	173,530	129,080	96,973	41,990	240,831	34,833
201,796	5,047,278	67,162	290,069	232,416	311,908	94,541	526,886	107,582
86,000	560,687	.....	.....	.....	58,500	5,232	46,900	.....
7,312	13,023	99	125	2,040	.....	390	763	.....
4,227	39,242	163	.....	181	4,938	331	9,992	323
97,539	612,952	262	125	2,221	63,438	5,953	57,655	323
.....	2,080,008	28,625	173,530	129,080	96,973	41,990	240,831	34,833
.....	80,850	.....	.....	.....	.....	.....	.....	.....
.....	2,160,858	28,625	173,530	129,080	96,973	41,990	240,831	34,833
29,000	959,313	5,014	24,410	5,889	19,850	9,697	74,773	4,949
.....
75,257	1,314,155	33,261	92,004	95,226	131,647	36,901	153,627	67,477
104,257	2,273,468	38,275	116,414	101,115	151,497	46,598	228,400	72,426
201,796	5,047,278	67,162	290,069	232,416	311,908	94,541	526,886	107,582
168,893	1,616,634	16,053	68,900	74,352	97,573	21,695	142,973	32,058
1,165	25,483	309	1,383	407	391	879	5,445	270
170,058	1,642,117	16,362	70,283	74,759	97,964	22,574	148,418	32,328
121,109	775,242	10,913	48,488	58,183	57,664	16,820	91,311	24,262
.....
11,171	330,786	1,414	5,553	2,468	11,642	803	14,558	2,251
12,280	216,097	1,322	6,731	5,303	5,963	1,400	14,770	2,430
9,627	86,606	.....	.....	.....	6,137	568	6,381	.....
3,920	76,847	1,003	3,704	2,572	6,375	1,295	7,888	1,958
.....
158,107	1,485,578	14,652	64,476	68,526	87,781	20,886	134,908	30,901
11,951	156,539	1,710	5,807	6,233	10,183	1,688	13,510	1,427
984	9,848	173	738	461	1,081	225	1,283	390

Municipal Electrical Utilities Financial

Municipality	Cobourg	Cochrane	Colborne	Coldwater	Collingwood	Comber
Population	9,775	4,595	1,356	775	8,359	606
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost	1,072,691	476,946	112,659	60,340	657,348	59,355
Accumulated depreciation	258,802	95,361	16,624	14,168	137,190	15,790
Net fixed assets	813,889	381,585	96,035	46,172	520,158	43,565
CURRENT ASSETS						
Cash on hand and in bank	51,721	16,928	100	18,006	13,559	9,810
Investment in government securities	10,000			12,500	53,561	
Accounts receivable (Net)	16,345	2,260	7,423	1,977	9,079	441
Total current assets	78,066	19,188	7,523	32,483	76,199	10,251
OTHER ASSETS						
Inventory of stores	22,669	16,705	14,072		20,036	29
Sinking fund on local debentures						
Miscellaneous	430	11,344	59	126	608	211
Total other assets	23,099	28,049	14,131	126	20,644	240
Equity in Ontario Hydro Systems	589,589	14,546	59,177	60,505	655,495	65,633
	1,504,643	443,368	176,866	139,286	1,272,496	119,689
LIABILITIES						
Debentures outstanding		78,500				1,557
Accounts payable	24	5,202	6,600		890	106
Other	13,584	16,960	1,804	245	7,722	554
Total liabilities	13,608	100,662	8,404	245	8,612	2,217
RESERVES						
Equity in Ontario Hydro Systems	589,589	14,546	59,177	60,505	655,495	65,633
Other						
Total reserves	589,589	14,546	59,177	60,505	655,495	65,633
CAPITAL						
Debentures redeemed	105,994	66,500	12,195	6,867	38,183	11,143
Local sinking fund						
Accumulated net income invested in plant or held as working funds	795,452	261,660	97,090	71,669	570,206	40,696
Total capital	901,446	328,160	109,285	78,536	608,389	51,839
	1,504,643	443,368	176,866	139,286	1,272,496	119,689
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	474,157	182,685	61,765	29,020	328,976	23,470
Other	9,901	4,944	2,048	561	5,182	157
Total revenue	484,058	187,629	63,813	29,581	334,158	23,627
EXPENSE						
Power purchased	338,166	91,539	41,039	20,773	226,866	11,690
Local generation						
Operation and maintenance	28,161	30,115	3,885	2,269	27,112	3,442
Administration	45,293	28,167	6,886	2,554	28,016	2,500
Fixed charges—interest and principal		11,385	263			419
—depreciation	27,941	11,591	2,400	1,783	15,866	1,763
—other						
Total expense	439,561	172,797	54,473	27,379	297,860	19,814
Net income or net expense	44,497	14,832	9,340	2,202	36,298	3,813
Number of customers	3,617	1,332	599	278	3,177	234

Statements for the Year Ended December 31, 1962

Coniston	Cookstown	Cottam	Courtright	Creemore	Dashwood	Deep River	Delaware	Delhi
2,705	672	642	544	832	404	5,428	389	3,610
\$ 129,133 12,211	\$ 54,684 11,975	\$ 56,327 16,996	\$ 29,918 6,784	\$ 65,707 7,936	\$ 31,667 6,027	\$ 627,348 143,727	\$ 30,513 10,100	\$ 361,505 91,752
116,922	42,709	39,331	23,134	57,771	25,640	483,621	20,413	269,753
2,343	7,896	8,641	874	4,182	6,412	38,732	5,390	42,596
.....	5,000	3,000	.....	5,000	.....	49,038	.....	5,000
12,478	887	7	409	1,723	116	8,574	368	4,252
14,821	13,783	11,648	1,283	10,905	6,528	96,344	5,758	51,848
.....	.....	71	169	.....	.....	7,293	.....	11,371
.....
634	222	.....	.....	149	.....	8,287	330	.....
634	222	71	169	149	.....	15,580	330	11,371
3,460	32,430	27,153	25,632	55,203	40,426	54,937	22,435	136,206
135,837	89,144	78,203	50,218	124,028	72,594	650,482	48,936	469,178
39,500	.....	1,000	.....	.....	.....	203,085	.....	.....
5,785	712	108	1,164	709	672	4,258	.....	251
7,557	815	883	360	595	.....	11,508	55	4,998
52,842	1,527	1,991	1,524	1,304	672	218,851	55	5,249
3,460	32,430	27,153	25,632	55,203	40,426	54,937	22,435	136,206
.....
3,460	32,430	27,153	25,632	55,203	40,426	54,937	22,435	136,206
10,500	12,001	12,893	8,138	2,824	3,400	27,915	4,000	85,000
.....
69,035	43,186	36,166	14,924	64,697	28,096	348,779	22,446	242,723
79,535	55,187	49,059	23,062	67,521	31,496	376,694	26,446	327,723
135,837	89,144	78,203	50,218	124,028	72,594	650,482	48,936	469,178
70,466	20,679	19,114	11,631	30,157	20,277	222,687	14,975	162,190
69	447	99	57	318	74	6,487	452	3,096
70,535	21,126	19,213	11,688	30,475	20,351	229,174	15,427	165,286
44,260	13,675	11,025	7,438	18,818	13,444	128,411	9,387	105,516
.....
4,087	1,057	1,187	1,399	1,674	1,694	17,699	1,264	13,518
6,472	1,255	1,973	1,481	2,191	1,595	16,996	878	12,599
3,949	.....	556	.....	.....	.....	18,461	.....	.....
3,059	1,593	1,745	875	1,611	829	16,447	941	8,796
.....
61,827	17,580	16,486	11,193	24,294	17,562	198,014	12,470	140,429
8,708	3,546	2,727	495	6,181	2,789	31,160	2,957	24,857
683	252	249	203	365	187	1,467	142	1,472

Municipal Electrical Utilities Financial

Municipality.....	Deseronto	Dorchester	Drayton	Dresden	Drumbo	Dryden
Population.....	1,779	941	627	2,343	405	6,203
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	141,590	63,066	64,398	224,069	31,755	606,923
Accumulated depreciation.....	44,000	17,268	9,712	53,240	11,960	147,512
Net fixed assets.....	97,590	45,798	54,686	170,829	19,795	459,411
CURRENT ASSETS						
Cash on hand and in bank.....	584	1,069	946	29,095	2,450	29,465
Investment in government securities	12,000	1,500	6,000	1,000	5,500	25,000
Accounts receivable (Net).....	5,310	3,316	906	4,662	761	508
Total current assets.....	17,894	5,885	7,852	34,757	8,711	54,973
OTHER ASSETS						
Inventory of stores.....	10,167		131	9,269		7,530
Sinking fund on local debentures...						
Miscellaneous.....				333		1,631
Total other assets.....	10,167		131	9,602		9,161
Equity in Ontario Hydro Systems...	74,480	39,565	55,657	159,652	32,635	93,490
	200,131	91,248	118,326	374,840	61,141	617,035
LIABILITIES						
Debentures outstanding.....		2,000		13,637		123,408
Accounts payable.....	149	107	304	626	1	9,676
Other.....	1,232	666	485	3,328	166	21,318
Total liabilities.....	1,381	2,773	789	17,591	167	154,402
RESERVES						
Equity in Ontario Hydro Systems...	74,480	39,565	55,657	159,652	32,635	93,490
Other.....						
Total reserves.....	74,480	39,565	55,657	159,652	32,635	93,490
CAPITAL						
Debentures redeemed.....	15,000	5,301	9,500	37,786	4,500	78,022
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds...	109,270	43,609	52,380	159,811	23,839	291,121
Total capital.....	124,270	48,910	61,880	197,597	28,339	369,143
	200,131	91,248	118,326	374,840	61,141	617,035
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	58,790	29,294	26,647	109,557	13,356	242,251
Other.....	2,044	331	479	2,852	431	9,399
Total revenue.....	60,834	29,625	27,126	112,409	13,787	251,650
EXPENSE						
Power purchased.....	43,100	19,776	16,785	61,754	11,210	120,761
Local generation.....						
Operation and maintenance.....	5,343	4,000	2,120	19,575	720	35,950
Administration.....	6,915	1,769	2,080	13,627	1,251	31,912
Fixed charges—interest and principal		241		3,740		15,938
—depreciation.....	3,928	1,909	1,720	4,821	1,033	15,112
—other.....						
Total expense.....	59,286	27,695	22,705	103,517	14,214	219,673
Net income or net expense.....	1,548	1,930	4,421	8,892	427	31,977
Number of customers.....	626	327	271	933	173	1,908

Statements for the Year Ended December 31, 1962

Dublin	Dundalk	Dundas	Dunnville	Durham	Dutton	East York Twp.	Eganville	Elmira
303	929	13,507	5,414	2,230	808	70,057	1,489	3,507
\$ 38,836 9,533	\$ 66,687 14,446	\$ 1,581,342 232,390	\$ 496,670 93,153	\$ 197,502 32,204	\$ 49,469 16,951	\$ 4,695,641 906,590	\$ 164,368 51,890	\$ 390,617 92,774
29,303	52,241	1,348,952	403,517	165,298	32,518	3,789,051	112,478	297,843
3,657	14,992	21,138	17,175	43,599	7,199	167,433	27,231	18,427
100	6,500	9,000	.....	4,000	4,500	250,000	15,000	.....
62	745	15,961	9,062	3,283	544	131,788	435	1,150
3,819	22,237	46,099	26,237	50,882	12,243	549,221	42,666	19,577
.....	.....	28,688	33,690	2,404	49	31,475	2,561	828
.....	.....	.....	.....	.....	.....	135,211	.....	.....
42	.....	7,940	551	569	.....	5,048	1,993	437
42	.....	36,628	34,241	2,973	49	171,734	4,554	1,265
25,700	67,007	711,251	376,177	154,335	78,729	2,625,082	15,303	395,404
58,864	141,485	2,142,930	840,172	373,488	123,539	7,135,088	175,001	714,089
.....	.....	748,500	46,230	30,000	.....	522,017	29,750	.....
231	691	4,647	.....	634	.....	183,862	.....	118
135	315	38,269	10,491	1,245	415	24,918	.....	2,991
366	1,006	791,416	56,721	31,879	415	730,797	29,750	3,109
25,700	67,007	711,251	376,177	154,335	78,729	2,625,082	15,303	395,404
25,700	67,007	711,251	376,177	154,335	78,729	2,625,082	15,303	395,404
6,200	5,727	125,045	93,709	25,324	8,408	753,329	70,250	37,169
.....	.....	.....	.....	.....	.....	135,211	.....	.....
26,598	67,745	515,218	313,565	161,950	35,987	2,890,669	59,698	278,407
32,798	73,472	640,263	407,274	187,274	44,395	3,779,209	129,948	315,576
58,864	141,485	2,142,930	840,172	373,488	123,539	7,135,088	175,001	714,089
18,712	39,789	574,053	227,300	100,036	26,072	2,126,830	60,306	213,314
56	230	5,816	808	1,639	264	90,220	1,093	3,961
18,768	40,019	579,869	228,108	101,675	26,336	2,217,050	61,399	217,275
13,450	24,858	330,132	151,355	62,450	17,053	1,468,486	22,601	146,080
.....	.....	.....	.....	.....	.....	.....	12,654	.....
959	4,037	58,885	21,098	12,510	2,278	184,938	3,277	11,969
1,168	2,062	39,238	14,601	8,007	2,052	203,728	6,119	15,541
.....	.....	64,552	5,263	.....	.....	76,126	7,035	.....
1,173	1,822	34,230	11,513	4,477	1,580	110,488	3,997	9,737
16,750	32,779	527,037	203,830	87,444	22,963	2,043,766	55,683	183,327
2,018	7,240	52,832	24,278	14,231	3,373	173,284	5,716	33,948
126	450	4,336	1,980	875	353	24,085	516	1,238

Municipal Electrical Utilities Financial

Municipality.....	Elmvale	Elmwood	Elora	Embro	Erieau	Erie Beach
Population.....	942	450	1,490	553	475	154
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	79,586	24,159	133,271	55,401	87,388	24,695
Accumulated depreciation.....	23,294	7,495	40,598	18,062	18,541	2,622
Net fixed assets.....	56,292	16,664	92,673	37,339	68,847	22,073
CURRENT ASSETS						
Cash on hand and in bank.....	4,424	2,040	8,560	7,479	8,359	782
Investment in government securities	15,953	7,000	3,690	6,000	7,718	.....
Accounts receivable (Net).....	1,743	184	1,548	327	640	214
Total current assets.....	22,120	9,224	13,798	13,806	16,717	996
OTHER ASSETS						
Inventory of stores.....	2,583	.....	211	.....	30	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....	.....
Miscellaneous.....	128	.....	.....	.....	677	207
Total other assets.....	2,711	.....	211	.....	707	207
Equity in Ontario Hydro Systems.....	66,219	23,770	150,885	49,884	45,140	8,117
	147,342	49,658	257,567	101,029	131,411	31,393
LIABILITIES						
Debentures outstanding.....	.....	.....	4,300	.....	8,322	2,267
Accounts payable.....	2,753	.....	3,529	565	.....	3,000
Other.....	630	65	1,803	50	1,038	260
Total liabilities.....	3,383	65	9,632	615	9,360	5,527
RESERVES						
Equity in Ontario Hydro Systems..	66,219	23,770	150,885	49,884	45,140	8,117
Other.....	.....	.....	.....	.....	.....	.....
Total reserves.....	66,219	23,770	150,885	49,884	45,140	8,117
CAPITAL						
Debentures redeemed.....	6,544	6,106	15,562	7,500	12,884	5,723
Local sinking fund.....	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds..	71,196	19,717	81,488	43,030	64,027	12,026
Total capital.....	77,740	25,823	97,050	50,530	76,911	17,749
	147,342	49,658	257,567	101,029	131,411	31,393
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	35,225	9,850	59,147	24,313	30,470	7,323
Other.....	923	362	318	918	678	21
Total revenue.....	36,148	10,212	59,465	25,231	31,148	7,344
EXPENSE						
Power purchased.....	23,846	7,437	35,746	15,171	19,338	3,077
Local generation.....	.....	.....	.....	.....	.....	.....
Operation and maintenance.....	3,051	495	6,948	1,421	4,223	855
Administration.....	4,327	1,141	5,913	2,339	3,382	1,062
Fixed charges—interest and principal	.....	.....	607	.....	1,901	935
—depreciation.....	2,261	764	3,631	1,688	2,513	669
—other.....	.....	.....	.....	.....	.....	.....
Total expense.....	33,485	9,837	52,845	20,619	31,357	6,598
Net income or net expense.....	2,663	375	6,620	4,612	209	746
Number of customers.....	406	134	542	237	361	138

Statements for the Year Ended December 31, 1962

Erin	Espanola	Essex	Etobicoke Twp.	Exeter	Fergus	Finch	Flesherton	Fonthill
1,058	5,360	3,441	162,291	3,124	3,942	373	513	2,474
\$ 70,337 8,623	\$ 318,493 56,905	\$ 297,860 89,034	\$ 18,272,370 3,031,358	\$ 292,856 77,105	\$ 381,130 79,420	\$ 43,464 11,652	\$ 36,919 13,359	\$ 173,196 34,323
61,714	261,588	208,826	15,241,012	215,751	301,710	31,812	23,560	138,873
1,215	17,427	21,594	653,256	550	16,905	3,489	2,217	6,960
5,075	.....	.....	537,000	5,000	.....	6,000	20,000	.....
570	19,497	4,008	424,186	1,866	1,259	756	433	1,447
6,860	36,924	25,602	1,614,442	7,416	18,164	10,245	22,650	8,407
.....	1,017	9,034	369,822	963	207	.....	.....	66
.....	.....	.....	1,023,046	.....	.....	.....	.....	.....
258	11,413	513	284,306	39	275	.....	.....	.....
258	12,430	9,547	1,677,174	1,002	482	.....	.....	66
22,023	8,420	178,897	4,515,260	239,654	370,632	27,553	33,451	72,090
90,855	319,362	422,872	23,047,888	463,823	690,988	69,610	79,661	219,436
2,900	137,500	15,600	7,658,202	.....	19,500	.....	.....	8,950
1,962	15,230	5,889	317,364	517	11	58	364	19
795	9,327	2,487	436,732	2,735	4,211	306	273	2,941
5,657	162,057	23,976	8,412,298	3,252	23,722	364	637	11,910
22,023	8,420	178,897	4,515,260	239,654	370,632	27,553	33,451	72,090
.....
22,023	8,420	178,897	4,515,260	239,654	370,632	27,553	33,451	72,090
11,600	7,500	35,793	1,858,895	20,000	55,461	7,000	5,831	51,223
.....	.....	.....	1,023,046	.....	.....	.....	.....	.....
51,575	141,385	184,206	7,238,389	200,917	241,173	34,693	39,742	84,213
63,175	148,885	219,999	10,120,330	220,917	296,634	41,693	45,573	135,436
90,855	319,362	422,872	23,047,888	463,823	690,988	69,610	79,661	219,436
36,826	176,937	122,798	8,068,092	151,054	218,631	16,521	17,348	77,574
565	1,974	1,302	117,376	2,864	1,335	304	980	2,399
37,391	178,911	124,100	8,185,468	153,918	219,966	16,825	18,328	79,973
24,350	94,199	67,863	4,945,908	103,407	151,517	11,169	14,270	52,512
.....
3,154	13,283	14,866	528,738	12,631	22,167	556	1,195	5,796
3,701	22,523	16,781	419,955	17,639	13,946	1,635	1,328	5,915
855	13,067	3,593	755,218	.....	2,338	.....	.....	3,828
1,760	8,076	7,842	387,198	8,854	8,960	1,301	1,188	4,594
.....
33,820	151,148	110,945	7,037,017	142,531	198,928	14,661	17,981	72,645
3,571	27,763	13,155	1,148,451	11,387	21,038	2,164	347	7,328
425	1,351	1,212	55,311	1,298	1,415	181	254	820

Municipal Electrical Utilities Financial

Municipality.....	Forest	Forest Hill	Fort William	Frankford	Galt	Georgetown
Population.....	2,147	20,677	45,698	1,610	27,679	10,678
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	171,925	1,917,318	4,616,796	110,296	3,277,283	1,011,878
Accumulated depreciation.....	73,093	583,063	1,137,921	15,943	1,075,487	177,156
Net fixed assets.....	98,832	1,334,255	3,478,875	94,353	2,201,796	834,722
CURRENT ASSETS						
Cash on hand and in bank.....	4,057	110,336	75,711	5,626	43,936	30,099
Investment in government securities	43,298	198,340	385,200	.....	115,000	4,000
Accounts receivable (Net).....	2,525	25,072	136,474	1,091	18,634	2,484
Total current assets.....	49,880	333,748	597,385	6,717	177,570	36,583
OTHER ASSETS						
Inventory of stores.....	3,473	50,436	124,691	.....	86,358	34,003
Sinking fund on local debentures...	.....	.....	.....	.....	.....	.....
Miscellaneous.....	114	11,405	11,779	.....	4,911	674
Total other assets.....	3,587	61,841	136,470	.....	91,269	34,677
Equity in Ontario Hydro Systems...	182,318	1,273,242	5,272,090	27,605	2,689,719	597,298
	334,617	3,003,086	9,484,820	128,675	5,160,354	1,503,280
LIABILITIES						
Debentures outstanding.....	.....	.....	450,000	.....	57,000	284,376
Accounts payable.....	161	7,427	125,016	247	1,140	1,538
Other.....	1,033	45,260	85,842	1,644	78,814	38,601
Total liabilities.....	1,194	52,687	660,858	1,891	136,954	324,515
RESERVES						
Equity in Ontario Hydro Systems..	182,318	1,273,242	5,272,090	27,605	2,689,719	597,298
Other.....	.....	.....	.....	.....	.....	.....
Total reserves.....	182,318	1,273,242	5,272,090	27,605	2,689,719	597,298
CAPITAL						
Debentures redeemed.....	23,357	358,126	614,209	20,000	760,298	108,203
Local sinking fund.....	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds..	127,748	1,319,031	2,937,663	79,179	1,573,383	473,264
Total capital.....	151,105	1,677,157	3,551,872	99,179	2,333,681	581,467
	334,617	3,003,086	9,484,820	128,675	5,160,354	1,503,280
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	86,823	810,039	1,793,690	45,599	1,386,886	487,391
Other.....	6,360	15,711	80,971	1,101	17,448	4,504
Total revenue.....	93,183	825,750	1,874,661	46,700	1,404,334	491,895
EXPENSE						
Power purchased.....	66,860	556,147	1,226,591	31,293	892,419	323,126
Local generation.....	.....	.....	.....	.....	.....	.....
Operation and maintenance.....	11,379	93,960	182,005	4,436	127,388	22,941
Administration.....	9,332	75,950	138,043	5,154	83,830	45,030
Fixed charges—interest and principal	.....	.....	53,893	.....	33,853	29,330
—depreciation.....	4,202	53,120	107,321	2,846	87,732	23,937
—other.....	.....	.....	.....	.....	.....	.....
Total expense.....	91,773	779,177	1,707,853	43,729	1,225,222	444,364
Net income or net expense.....	1,410	46,573	166,808	2,971	179,112	47,531
Number of customers.....	928	8,430	14,249	652	9,364	3,381

Statements for the Year Ended December 31, 1962

Glencoe	Goderich	Grand Bend	Grand Valley	Granton	Gravenhurst	Grimsby	Guelph	Hagersville
1,140	6,567	764	696	284	3,192	5,478	39,790	2,032
\$ 128,775 38,339	\$ 746,710 204,949	\$ 169,779 41,747	\$ 55,063 19,233	\$ 18,225 3,321	\$ 252,086 69,469	\$ 385,092 71,520	\$ 4,574,061 672,328	\$ 160,416 42,095
90,436	541,761	128,032	35,830	14,904	182,617	313,572	3,901,733	118,321
50	96,571	5,346	14,104	6,299	110	22,323	118,188	16,167
10,000	95,510	.....	5,500	.....	22,000	.....	.....	18,000
3,827	19,085	5,075	265	517	2,880	25,751	104,175	285
13,877	211,166	10,421	19,869	6,816	24,990	48,074	222,363	34,452
319	9,056	279	138	.....	5,350	.....	68,415	26
.....	1,359	7,714	200	41	.....	6,634	19,347	267
319	10,415	7,993	338	41	5,350	6,634	87,762	293
88,689	605,560	51,778	62,588	28,523	237,116	153,093	3,241,955	307,777
193,321	1,368,902	198,224	118,625	50,284	450,073	521,373	7,453,813	460,843
.....	68,500	63,953	.....	521	.....	87,000	1,723,000	.....
7,216	445	654	.....	370	526	10,691	19,176	89
500	23,613	5,816	75	55	2,885	5,676	99,378	1,470
7,716	92,558	70,423	75	946	3,411	103,367	1,841,554	1,559
88,689	605,560	51,778	62,588	28,523	237,116	153,093	3,241,955	307,777
.....
88,689	605,560	51,778	62,588	28,523	237,116	153,093	3,241,955	307,777
20,113	144,460	27,047	10,794	6,123	44,279	88,344	543,811	8,000
.....
76,803	526,324	48,976	45,168	14,692	165,267	176,569	1,826,493	143,507
96,916	670,784	76,023	55,962	20,815	209,546	264,913	2,370,304	151,507
193,321	1,368,902	198,224	118,625	50,284	450,073	521,373	7,453,813	460,843
42,458	393,882	76,091	30,106	9,033	117,632	215,790	2,275,148	100,197
652	7,209	768	166	10	2,043	2,266	28,570	1,110
43,110	401,091	76,859	30,272	9,043	119,675	218,056	2,303,718	101,307
26,425	264,159	36,551	19,832	4,318	90,321	135,242	1,293,475	61,905
.....
5,176	22,882	6,563	1,593	614	10,080	12,806	204,091	15,198
7,203	32,057	12,829	1,881	1,231	11,212	23,564	187,829	7,398
.....	9,110	8,068	.....	307	.....	3,828	175,839	.....
3,628	18,864	4,449	1,781	515	6,460	9,697	101,620	4,362
.....
42,432	347,072	68,460	25,087	6,985	118,073	185,137	1,962,854	88,863
678	54,019	8,399	5,185	2,058	1,602	32,919	340,864	12,444
499	2,475	852	326	122	1,363	1,955	12,818	784

Municipal Electrical Utilities Financial

Municipality	Hamilton	Hanover	Harriston	Harrow	Hastings	Havelock
Population	266,891	4,476	1,698	1,755	915	1,283
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost	25,345,488	378,984	177,373	252,434	83,740	109,315
Accumulated depreciation	2,663,324	134,416	41,926	60,381	27,957	29,659
Net fixed assets	22,682,164	244,568	135,447	192,053	55,783	79,656
CURRENT ASSETS						
Cash on hand and in bank	3,761,311	12,088	8,658	1,710	1,196	4,581
Investment in government securities	57,000	6,895	6,895	8,000	11,584	39,197
Accounts receivable (Net)	1,210,932	6,722	1,192	763	1,492	1,789
Total current assets	4,972,243	75,810	16,745	10,473	14,272	45,567
OTHER ASSETS						
Inventory of stores	746,511	14,047	68	5,847		
Sinking fund on local debentures						
Miscellaneous	47,212	477	63	47		2,201
Total other assets	793,723	14,524	131	5,894		2,201
Equity in Ontario Hydro Systems	32,713,676	417,274	167,173	157,288	34,481	61,530
	61,161,806	752,176	319,496	365,708	104,536	188,954
LIABILITIES						
Debentures outstanding	985,000		1,200			13,500
Accounts payable	1,487,905	1,033	197	13,090	338	4,619
Other	148,154	3,065	2,237	1,139	860	742
Total liabilities	2,621,059	4,098	3,634	14,229	1,198	18,861
RESERVES						
Equity in Ontario Hydro Systems	32,713,676	417,274	167,173	157,288	34,481	61,530
Other	231,531					
Total reserves	32,945,207	417,274	167,173	157,288	34,481	61,530
CAPITAL						
Debentures redeemed	6,724,892	80,162	29,508	12,000	21,000	49,400
Local sinking fund						
Accumulated net income invested in plant or held as working funds	18,870,648	250,642	119,181	182,191	47,857	59,163
Total capital	25,595,540	330,804	148,689	194,191	68,857	108,563
	61,161,806	752,176	319,496	365,708	104,536	188,954
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	17,993,471	199,113	78,498	93,825	26,914	39,230
Other	271,346	4,045	1,872	2,760	821	1,918
Total revenue	18,264,817	203,158	80,370	96,585	27,735	41,148
EXPENSE						
Power purchased	14,442,541	145,678	53,482	58,975	18,821	22,987
Local generation						
Operation and maintenance	1,143,015	14,418	7,794	8,144	1,665	2,514
Administration	896,200	19,532	6,187	11,880	4,804	4,956
Fixed charges—interest and principal	113,855		675	370		2,025
—depreciation	508,660	10,191	4,451	5,662	2,643	3,244
—other						
Total expense	17,104,271	189,819	72,589	85,031	27,933	35,726
Net income or net expense	1,160,546	13,339	7,781	11,554	198	5,422
Number of customers	83,413	1,650	675	698	448	470

Statements for the Year Ended December 31, 1962

Hawkesbury	Hearst	Hensall	Hespeler	Highgate	Holstein	Huntsville	Ingersoll	Iroquois
8,823	2,497	946	4,670	382	179	2,993	7,265	1,072
\$ 662,723 133,243	\$ 241,662 30,783	\$ 122,533 35,237	\$ 434,276 73,177	\$ 35,856 13,925	\$ 13,139 3,820	\$ 271,606 63,150	\$ 718,698 173,552	\$ 203,704 27,879
529,480	210,879	87,296	361,099	21,931	9,319	208,456	545,146	175,825
23,156	17,081	5,694	60,791	4,234	3,422	41,107	21,596	9,757
.....	40,000	8,988	40,000	3,000	.....	34,975	.....	40,775
7,004	3,751	3,232	26,793	525	17	6,342	6,930	1,095
30,160	60,832	17,914	127,584	7,759	3,439	82,424	28,526	51,627
23,525	.....	67	304	.....	.....	9,662	15,113	1,192
.....	.....	.....	.....	.....	.....	.....	2,999	.....
1,133	4,470	499	1,375	.....	.....	.....	.....	.....
24,658	4,470	566	1,679	.....	.....	9,662	18,112	1,192
75,039	.....	88,039	638,466	38,398	13,039	335,873	802,064	48,708
659,337	276,181	193,815	1,128,828	68,088	25,797	636,415	1,393,848	277,352
179,000	46,000	.....	.....	.....	.....	.....	81,238	.....
3,027	3,266	63	4,400	120	.....	8,421	802	158
6,894	13,379	460	4,877	145	84	1,993	13,142	1,970
188,921	62,645	523	9,277	265	84	10,414	95,182	2,128
75,039	.....	88,039	638,466	38,398	13,039	335,873	802,064	48,708
.....
75,039	.....	88,039	638,466	38,398	13,039	335,873	802,064	48,708
106,000	94,000	12,000	77,570	5,000	2,762	15,697	118,562	.....
.....
289,377	119,536	93,253	403,515	24,425	9,912	274,431	378,040	226,516
395,377	213,536	105,253	481,085	29,425	12,674	290,128	496,602	226,516
659,337	276,181	193,815	1,128,828	68,088	25,797	636,415	1,393,848	277,352
253,990	111,969	51,828	278,556	13,929	5,913	153,507	335,455	50,322
4,256	2,239	401	4,304	265	10	3,473	5,940	1,540
258,246	114,208	52,229	282,860	14,194	5,923	156,980	341,395	51,862
123,515	63,416	36,331	219,432	8,351	4,541	93,792	216,369	29,549
.....
27,071	8,179	2,824	16,081	1,947	312	16,256	36,711	5,024
39,204	9,668	3,230	16,817	908	568	9,601	31,204	6,908
20,797	8,794	.....	.....	.....	.....	.....	11,217	.....
16,338	4,276	3,506	9,582	1,187	405	6,367	17,546	4,816
.....
226,925	94,333	45,891	261,912	12,393	5,826	126,016	313,047	46,297
31,321	19,875	6,338	20,948	1,801	97	30,964	28,348	5,565
2,126	724	371	1,504	167	93	1,223	2,381	393

Municipal Electrical Utilities Financial

Municipality.....	Jarvis	Kapuskasing	Kemptville	Killaloe Station 905	Kincardine	King City*
Population.....	771	7,157	2,007		2,875	1,850
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	62,093	460,140	158,199	55,917	296,169	131,712
Accumulated depreciation.....	15,607	48,837	31,744	11,265	89,921	28,583
Net fixed assets.....	46,486	411,303	126,455	44,652	206,248	103,129
CURRENT ASSETS						
Cash on hand and in bank.....	11,577		5,062	2,716		13,759
Investment in government securities.....			12,000		15,000	
Accounts receivable (Net).....	725	5,494	4,231	298	9,163	1,420
Total current assets.....	12,302	5,494	21,293	3,014	24,163	15,179
OTHER ASSETS						
Inventory of stores.....		10,338	9,730		735	
Sinking fund on local debentures.....						
Miscellaneous.....		15,316		2,455	196	6,438
Total other assets.....		25,654	9,730	2,455	931	6,438
Equity in Ontario Hydro Systems....	64,574	23,331	139,049	9,600	250,311	
	123,362	465,782	296,527	59,721	481,653	124,746
LIABILITIES						
Debentures outstanding.....		28,030		38,000		115,000
Accounts payable.....	80	16,485	5,406	2,592	1,233	6,053
Other.....	145	11,592	1,549	15	1,240	4,603
Total liabilities.....	225	56,107	6,955	40,607	2,473	125,656
RESERVES						
Equity in Ontario Hydro Systems..	64,574	23,331	139,049	9,600	250,311	
Other.....						
Total reserves.....	64,574	23,331	139,049	9,600	250,311	
CAPITAL						
Debentures redeemed.....	10,500	62,449	19,507	2,000	60,000	
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	48,063	323,895	131,016	7,514	168,869	910
Total capital.....	58,563	386,344	150,523	9,514	228,869	910
	123,362	465,782	296,527	59,721	481,653	124,746
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	26,192	227,550	101,625	24,392	133,548	28,259
Other.....	4	3,881	1,518	552	1,136	1,118
Total revenue.....	26,196	231,431	103,143	24,944	134,684	29,377
EXPENSE						
Power purchased.....	16,092	143,548	71,017	11,560	95,576	18,996
Local generation.....						
Operation and maintenance.....	598	20,110	7,991	2,240	16,841	2,018
Administration.....	2,628	33,369	6,947	2,601	8,473	3,089
Fixed charges—interest and principal.....		6,644		3,340		4,503
—depreciation.....	1,922	9,426	3,851	1,531	7,706	1,681
—other.....						
Total expense.....	21,240	213,097	89,806	21,272	128,596	30,287
Net income or net expense.....	4,956	18,334	13,337	3,672	6,088	910
Number of customers.....	276	2,259	802	290	1,261	540

*6 months' operation

Statements for the Year Ended December 31, 1962

Kingston	Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth	Lanark	Lancaster	Larder Lake Twp.
48,842	3,079	186	77,190	2,167	2,192	923	559	1,965
\$ 5,932,133 1,641,872	\$ 296,046 85,694	\$ 25,065 4,991	\$ 10,395,407 2,278,597	\$ 202,917 52,842	\$ 142,219 30,543	\$ 59,206 9,683	\$ 35,978 11,009	\$ 71,423 25,655
4,290,261	210,352	20,074	8,116,810	150,075	111,676	49,523	24,969	45,768
374,083	5,633	2,936	391,293	14,730	5,704	2,139	1,900	10,987
180,000	23,500	.....	500,000	27,000	.....	10,000	5,500	.....
242,294	1,684	608	354,983	2,351	2,374	815	2,347	354
796,377	30,817	3,544	1,246,276	44,081	8,078	12,954	9,747	11,341
196,042	1,223	.....	214,624	5,950	.....	193	.....	.....
204,170	170	360	4,548	1,869	200	.....	.....	2,265
400,212	1,393	360	219,172	7,819	200	193	.....	2,265
2,321,126	212,228	13,598	6,627,734	108,656	67,722	35,215	28,614	6,815
7,807,976	454,790	37,576	16,209,992	310,631	187,676	97,885	63,330	66,189
1,204,000	.....	.....	173,000	.....	9,500	.....	.....	3,100
355,956	137	1,910	314,263	6	3,750	1	1,584	1,519
14,292	4,720	46	121,250	1,365	2,099	211	503	7,185
1,574,248	4,857	1,956	608,513	1,371	15,349	212	2,087	11,804
2,321,126	212,228	13,598	6,627,734	108,656	67,722	35,215	28,614	6,815
103,456	.....	.....	363,286	.....	.....	.....	.....	.....
2,424,582	212,228	13,598	6,991,020	108,656	67,722	35,215	28,614	6,815
600,839	33,500	5,766	2,154,244	33,500	23,000	7,316	8,917	14,900
.....
3,208,307	204,205	16,256	6,456,215	167,104	81,605	55,142	23,712	32,670
3,809,146	237,705	22,022	8,610,459	200,604	104,605	62,458	32,629	47,570
7,807,976	454,790	37,576	16,209,992	310,631	187,676	97,885	63,330	66,189
2,356,230	117,022	6,856	4,142,975	76,531	63,307	19,423	17,391	56,363
45,409	1,158	175	75,215	1,329	1,344	649	380	106
2,401,639	118,180	7,031	4,218,190	77,860	64,651	20,072	17,771	56,469
1,442,377	76,787	3,922	2,480,865	54,125	41,573	14,482	10,704	43,966
.....
218,240	9,891	820	438,415	7,220	6,233	1,630	1,411	4,011
250,721	14,001	655	315,862	7,169	6,364	1,585	2,363	5,702
136,475	.....	.....	146,733	.....	1,409	.....	.....	1,599
144,668	7,838	709	214,165	5,917	3,703	1,528	1,070	2,387
.....
2,192,481	108,517	6,106	3,596,040	74,431	59,282	19,225	15,548	57,665
209,158	9,663	925	622,150	3,429	5,369	847	2,223	1,196
16,335	1,266	106	25,127	780	649	291	217	553

Municipal Electrical Utilities Financial

Municipality.....	Latchford	Leamington	Lindsay	Listowel	London	Long Branch
Population.....	493	8,939	11,328	4,106	165,709	10,950
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	38,683	797,760	1,250,767	433,815	19,296,142	644,968
Accumulated depreciation.....	8,292	205,564	359,878	146,711	4,252,936	91,518
Net fixed assets.....	30,391	592,196	890,889	287,104	15,043,206	553,450
CURRENT ASSETS						
Cash on hand and in bank.....	5,767	43,183	4,599	15,739	25,192	5,359
Investment in government securities.....		2,000		20,000	306,500	15,000
Accounts receivable (Net).....	1,228	7,394	5,402	2,130	946,342	167,682
Total current assets.....	6,995	52,577	10,001	37,869	1,278,034	188,041
OTHER ASSETS						
Inventory of stores.....		25,044	14,233	595	462,187	
Sinking fund on local debentures.....					104,295	80
Miscellaneous.....		467				
Total other assets.....		25,511	14,233	595	566,482	80
Equity in Ontario Hydro Systems.....	1,345	574,028	757,710	393,740	10,805,778	413,706
	38,731	1,244,312	1,672,833	719,308	27,693,500	1,155,277
LIABILITIES						
Debentures outstanding.....		59,000		33,619	5,503,194	
Accounts payable.....	202	2,048	2,060	1,233	1,202,116	6
Other.....	764	18,104	7,904	6,090	230,221	19,786
Total liabilities.....	966	79,152	9,964	40,942	6,935,531	19,792
RESERVES						
Equity in Ontario Hydro Systems.....	1,345	574,028	757,710	393,740	10,805,778	413,706
Other.....					308,397	
Total reserves.....	1,345	574,028	757,710	393,740	11,114,175	413,706
CAPITAL						
Debentures redeemed.....	18,901	67,000	130,000	79,215	2,124,614	40,304
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds.....	17,519	524,132	775,159	205,411	7,519,180	681,475
Total capital.....	36,420	591,132	905,159	284,626	9,643,794	721,779
	38,731	1,244,312	1,672,833	719,308	27,693,500	1,155,277
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	13,289	402,867	524,961	191,079	6,926,863	433,542
Other.....	167	2,085	23,632	933	243,960	5,423
Total revenue.....	13,456	404,952	548,593	192,012	7,170,823	438,965
EXPENSE						
Power purchased.....	8,801	267,985	363,433	135,096	4,272,553	271,805
Local generation.....						
Operation and maintenance.....	885	29,140	72,846	13,538	604,854	25,516
Administration.....	1,355	38,866	45,861	10,391	560,427	40,475
Fixed charges—interest and principal.....		6,890		6,518	545,615	2,643
—depreciation.....	1,102	20,333	26,911	12,433	453,761	15,806
—other.....						
Total expense.....	12,143	363,214	509,051	177,976	6,437,210	356,245
Net income or net expense.....	1,313	41,738	39,542	14,036	733,613	82,720
Number of customers.....	159	3,359	3,997	1,612	53,313	4,342

Statements for the Year Ended December 31, 1962

L'Original	Lucan	Lucknow	Lynden	Madoc	Magnetawan	Markdale	Markham	Marmora
1,238	907	1,030	531	1,527	247	1,111	5,005	1,279
\$ 100,880 25,651	\$ 87,529 26,617	\$ 107,253 19,361	\$ 34,242 11,972	\$ 158,310 45,741	\$ 25,110 7,483	\$ 73,627 14,003	\$ 398,326 69,829	\$ 104,270 36,949
75,229	60,912	87,892	22,270	112,569	17,627	59,624	328,497	67,321
6,953	11,558	7,055	12,980	6,646	4,686	6,853	25,199	10,102
.....	5,500	9,000	2,000	22,000	7,473	5,796	.....	3,000
283	787	855	852	2,229	.....	364	16,978	1,225
7,236	17,845	16,910	15,832	30,875	12,159	13,013	42,177	14,327
.....	394	159	138	6,929	212	.....	297	1,579
.....
1,878	460	354	.....	2,036	490	75	1,114	347
1,878	854	513	138	8,965	702	75	1,411	1,926
11,308	79,579	103,957	47,644	73,241	4,023	63,046	157,436	52,710
95,651	159,190	209,272	85,884	225,650	34,511	135,758	529,521	136,284
17,000	.....	.....	.....	.....	12,300	.....	89,665	.....
446	.....	3,614	.....	10	.....	794	877	591
475	947	.....	22	1,258	.....	822	7,110	1,095
17,921	947	3,614	22	1,268	12,300	1,616	97,652	1,686
11,308	79,579	103,957	47,644	73,241	4,023	63,046	157,436	52,710
.....
11,308	79,579	103,957	47,644	73,241	4,023	63,046	157,436	52,710
11,000	11,214	17,614	4,495	14,000	11,700	6,370	29,563	15,092
.....
55,422	67,450	84,087	33,723	137,141	6,488	64,726	244,870	66,796
66,422	78,664	101,701	38,218	151,141	18,188	71,096	274,433	81,888
95,651	159,190	209,272	85,884	225,650	34,511	135,758	529,521	136,284
31,913	36,471	46,533	17,165	51,504	7,838	41,910	198,751	44,668
1,015	400	394	246	2,297	509	314	2,560	514
32,928	36,871	46,927	17,411	53,801	8,347	42,224	201,311	45,182
14,663	23,332	33,782	11,278	38,593	3,684	30,650	131,210	30,706
.....
2,478	1,482	3,762	293	3,704	508	2,191	9,787	6,216
2,826	2,597	4,848	1,834	5,165	695	2,417	15,753	3,989
2,426	.....	.....	.....	.....	2,052	.....	6,564	.....
2,910	2,745	2,807	1,121	4,765	756	2,010	10,271	3,155
.....
25,303	30,156	45,199	14,526	52,227	7,695	37,268	173,585	44,066
7,625	6,715	1,728	2,885	1,574	652	4,956	27,726	1,116
386	365	481	181	601	107	455	1,569	519

Municipal Electrical Utilities Financial

	Martintown	Massey	Maxville	McGarry	Meaford	Merlin
Municipality.....						
Population.....	400	1,262	852	2,738	3,765	619
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	31,197	92,684	73,037	77,800	308,153	72,323
Accumulated depreciation.....	8,902	10,875	14,601	21,133	85,650	26,990
Net fixed assets.....	22,295	81,809	58,436	56,667	222,503	45,333
CURRENT ASSETS						
Cash on hand and in bank.....	7,160	4,085	4,605	17,079	26,881	11,934
Investment in government securities.....			1,500			
Accounts receivable (Net).....	1,477	5,834	364	388	2,954	173
Total current assets.....	8,637	9,919	6,469	17,467	29,835	12,107
OTHER ASSETS						
Inventory of stores.....		294			7,653	296
Sinking fund on local debentures.....						
Miscellaneous.....		6,499			576	220
Total other assets.....		6,793			8,229	516
Equity in Ontario Hydro Systems.....	13,470	2,120	49,788	6,417	234,294	47,396
	44,402	100,641	114,693	80,551	494,861	105,352
LIABILITIES						
Debentures outstanding.....		33,000				
Accounts payable.....	124	646	101	13	815	2
Other.....	76	1,599	957	5,567	5,647	143
Total liabilities.....	200	35,245	1,058	5,580	6,462	145
RESERVES						
Equity in Ontario Hydro Systems..	13,470	2,120	49,788	6,417	234,294	47,396
Other.....						
Total reserves.....	13,470	2,120	49,788	6,417	234,294	47,396
CAPITAL						
Debentures redeemed.....	5,346	12,000	13,642	13,782	47,725	13,122
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	25,386	51,276	50,205	54,772	206,380	44,689
Total capital.....	30,732	63,276	63,847	68,554	254,105	57,811
	44,402	100,641	114,693	80,551	494,861	105,352
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	9,283	45,456	29,435	54,985	161,862	22,904
Other.....	76	129	231	103	2,893	2,708
Total revenue.....	9,359	45,585	29,666	55,088	164,755	25,612
EXPENSE						
Power purchased.....	6,297	22,737	22,443	38,342	124,486	14,385
Local generation.....						
Operation and maintenance.....	477	3,247	2,344	2,448	13,184	1,949
Administration.....	1,148	6,201	1,306	7,189	13,728	4,579
Fixed charges—interest and principal.....		3,888				
—depreciation.....	946	2,305	2,052	2,369	7,562	2,104
—other.....						
Total expense.....	8,868	38,378	28,145	50,348	158,960	23,017
Net income or net expense.....	491	7,207	1,521	4,740	5,795	2,595
Number of customers.....	126	363	321	471	1,559	256

Statements for the Year Ended December 31, 1962

Merrick- ville 894	Midland 8,827	Mildmay 856	Millbrook 876	Milton 5,683	Milverton 1,047	Mimico 17,707	Mitchell 2,276	Moorefield 312
\$ 75,076 9,244	\$ 794,087 299,633	\$ 57,044 7,317	\$ 65,729 13,998	\$ 596,317 139,455	\$ 97,214 23,684	\$ 1,170,280 312,824	\$ 287,850 73,459	\$ 24,656 7,831
65,832	494,454	49,727	51,731	456,862	73,530	857,456	214,391	16,825
1,783	24,028	.....	484	70,950	10,397	99,295	3,503	1,832
.....	115,000	7,500	8,000	.....	13,000	65,000	23,000	1,000
1,856	18,180	539	1,455	4,564	789	33,323	8,058	186
3,639	157,208	8,039	9,939	75,514	24,186	197,618	34,561	3,018
.....	9,714	.....	762	2,268	143	26,680	10,115	.....
.....
352	1,758	.....	192	601	.....	1,427	.....	.....
352	11,472	.....	954	2,869	143	28,107	10,115	.....
19,893	961,152	37,482	27,712	466,408	165,317	772,157	213,125	28,347
89,716	1,624,286	95,248	90,336	1,001,653	263,176	1,855,338	472,192	48,190
12,000	.....	.....	.....	63,816	10,500	69,000	13,700	.....
494	18,911	754	253	1,027	265	32,111	389	12
850	3,275	225	871	7,558	293	35,730	1,933	207
13,344	22,186	979	1,124	72,401	11,058	136,841	16,022	219
19,893	961,152	37,482	27,712	466,408	165,317	772,157	213,125	28,347
.....
19,893	961,152	37,482	27,712	466,408	165,317	772,157	213,125	28,347
13,000	111,945	12,304	9,000	60,223	13,760	181,766	33,409	4,500
.....
43,479	529,003	44,483	52,500	402,621	73,041	764,574	209,636	15,124
56,479	640,948	56,787	61,500	462,844	86,801	946,340	243,045	19,624
89,716	1,624,286	95,248	90,336	1,001,653	263,176	1,855,338	472,192	48,190
27,651	363,992	28,146	25,697	260,530	52,413	545,300	128,503	15,151
48	5,977	273	810	6,928	771	22,224	2,352	39
27,699	369,969	28,419	26,507	267,458	53,184	567,524	130,855	15,190
18,836	293,094	19,678	19,760	159,113	36,115	344,354	79,090	11,436
.....
2,301	34,399	3,418	3,676	15,090	6,158	31,496	15,769	633
2,600	24,180	2,704	3,323	29,868	5,849	78,877	13,290	573
1,766	.....	.....	.....	7,288	1,199	9,320	1,850	.....
1,958	23,136	1,474	1,765	14,467	2,481	28,497	6,793	796
.....
27,461	374,809	27,274	28,524	225,826	51,802	492,544	116,792	13,438
238	4,840	1,145	2,017	41,632	1,382	74,980	14,063	1,752
366	2,943	319	331	1,816	494	7,042	936	133

Municipal Electrical Utilities Financial

Municipality.....	Morrisburg	Mount Brydges	Mount Forest	Napanee	Neustadt	Newboro
Population.....	1,943	1,017	2,640	4,462	512	276
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	240,142	76,520	197,229	417,379	39,670	32,396
Accumulated depreciation.....	38,934	11,973	48,953	130,940	15,494	6,941
Net fixed assets.....	201,208	64,547	148,276	286,439	24,176	25,455
CURRENT ASSETS						
Cash on hand and in bank.....	13,449	4,956	26,110	6,153	1,035	1,965
Investment in government securities	11,000	.....	20,000	22,000	13,200	2,000
Accounts receivable (Net).....	1,620	302	2,641	20,614	319	375
Total current assets.....	26,069	5,258	48,751	48,767	14,554	4,340
OTHER ASSETS						
Inventory of stores.....	7,562	.....	1,465	10,126	.....	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	302	987	332	25	1,326
Total other assets.....	7,562	302	2,452	10,458	25	1,326
Equity in Ontario Hydro Systems.....	77,930	37,790	185,775	320,770	30,190	4,439
	312,769	107,897	385,254	666,434	68,945	35,560
LIABILITIES						
Debentures outstanding.....	.....	13,700	.....	.....	.....	7,119
Accounts payable.....	960	873	.....	16	308	239
Other.....	2,820	638	1,428	6,437	224	149
Total liabilities.....	3,780	15,211	1,428	6,453	532	7,507
RESERVES						
Equity in Ontario Hydro Systems.....	77,930	37,790	185,775	320,770	30,190	4,439
Other.....	.....	.....	.....	.....	.....	.....
Total reserves.....	77,930	37,790	185,775	320,770	30,190	4,439
CAPITAL						
Debentures redeemed.....	31,636	5,467	21,627	70,000	15,504	9,881
Local sinking fund.....	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds.....	199,423	49,429	176,424	269,211	22,719	13,733
Total capital.....	231,059	54,896	198,051	339,211	38,223	23,614
	312,769	107,897	385,254	666,434	68,945	35,560
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	71,849	32,006	112,048	187,903	12,098	9,448
Other.....	2,106	129	1,934	39,940	485	108
Total revenue.....	73,955	32,135	113,982	227,843	12,583	9,556
EXPENSE						
Power purchased.....	48,445	15,929	79,897	138,038	11,231	3,991
Local generation.....	.....	.....	.....	.....	.....	.....
Operation and maintenance.....	13,074	2,247	7,856	17,917	798	1,540
Administration.....	13,318	3,063	9,407	41,278	1,714	1,198
Fixed charges—interest and principal	.....	1,381	.....	.....	.....	1,144
—depreciation.....	5,802	2,080	4,891	9,600	1,329	952
—other.....	.....	.....	.....	.....	.....	.....
Total expense.....	80,639	24,700	102,051	206,833	15,072	8,825
Net income or net expense.....	6,684	7,435	11,931	21,010	2,489	731
Number of customers.....	720	372	1,059	1,718	208	152

Statements for the Year Ended December 31, 1962

Newburgh 576	Newbury 335	Newcastle 1,202	New Hamburg 2,133	Newmarket 8,169	New Toronto 11,844	Niagara 2,775	Niagara Falls 21,948	Nipigon Twp. 2,741
\$ 63,808 20,482	\$ 26,796 9,162	\$ 134,008 38,690	\$ 191,774 39,367	\$ 764,990 163,906	\$ 1,043,050 218,984	\$ 272,616 67,561	\$ 2,582,468 671,829	\$ 186,881 48,484
43,326	17,634	95,318	152,407	601,084	824,066	205,055	1,910,639	138,397
526	1,047	2,565	6,171	41,305	148,723	24,181	207,007	9,631
3,000	6,500	4,000	10,000	24,345	155,000	10,000	55,000	22,904
288	1,166	1,467	1,001	8,470	17,017	2,715	53,229	1,592
3,814	8,713	8,032	17,172	74,120	320,740	36,896	315,236	34,127
.....	30	1,977	1,639	331	24,407	15,507	100,153	810
677	96	374	76	371	743	38	1,153	.....
677	126	2,351	1,715	702	25,150	15,545	101,306	810
11,436	19,209	52,403	202,624	290,389	2,501,799	185,500	2,498,818	113,354
59,253	45,682	158,104	373,918	966,295	3,671,755	442,996	4,825,999	286,688
2,300	.....	12,000	8,000	51,062	.....	21,329	.....	.....
2	1,067	287	797	3,406	8,507	50	242	97
289	80	798	230	8,994	22,211	3,559	47,474	2,247
2,591	1,147	13,085	9,027	63,462	30,718	24,938	47,716	2,344
11,436	19,209	52,403	202,624	290,389	2,501,799	185,500	2,498,818	113,354
.....
11,436	19,209	52,403	202,624	290,389	2,501,799	185,500	2,498,818	113,354
11,700	9,754	16,915	24,264	43,831	8,000	59,179	690,243	10,000
.....
33,526	15,572	75,701	138,003	568,613	1,131,238	173,379	1,589,222	160,990
45,226	25,326	92,616	162,267	612,444	1,139,238	232,558	2,279,465	170,990
59,253	45,682	158,104	373,918	966,295	3,671,755	442,996	4,825,999	286,688
19,344	7,786	54,115	86,658	411,502	1,303,245	108,213	1,063,612	83,263
305	306	1,443	1,000	1,487	16,929	1,894	7,170	3,366
19,649	8,092	55,558	87,658	412,989	1,320,174	110,107	1,070,782	86,629
11,006	5,653	32,088	57,854	275,136	1,087,111	68,519	617,951	58,778
.....
1,549	555	4,662	5,227	20,262	33,664	14,636	148,522	12,150
2,281	816	7,756	6,764	22,390	69,966	8,412	84,220	8,913
872	.....	1,780	1,360	6,429	.....	2,542	.....	.....
1,999	879	3,517	4,337	20,389	25,599	6,909	61,996	4,695
.....
17,707	7,903	49,803	75,542	344,606	1,216,340	101,018	912,689	84,536
1,942	189	5,755	12,116	68,383	103,834	9,089	158,093	2,093
193	137	492	727	2,788	4,326	1,080	7,435	762

Municipal Electrical Utilities Financial

Municipality.....	North Bay	North York Twp.	Norwich	Norwood	Oakville	Oil Springs
Population.....	23,186	274,688	1,684	1,086	44,268	494
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	2,000,755	26,697,839	118,360	113,068	5,727,544	65,937
Accumulated depreciation.....	511,065	4,000,422	45,402	34,295	920,019	23,101
Net fixed assets.....	1,489,690	22,697,417	72,958	78,773	4,807,525	42,836
CURRENT ASSETS						
Cash on hand and in bank.....	138,081	1,869,077	7,071	8,599	203,241	3,267
Investment in government securities.....		10,000	7,500	15,000		11,000
Accounts receivable (Net).....	29,498	366,862	7,792	2,413	64,644	115
Total current assets.....	167,579	2,245,939	22,363	26,012	267,885	14,382
OTHER ASSETS						
Inventory of stores.....	35,680	586,726	5,853		90,026	438
Sinking fund on local debentures.....		853,111				
Miscellaneous.....	4,663	275,891	174	1,905	69,678	41
Total other assets.....	40,343	1,715,728	6,027	1,905	159,704	479
Equity in Ontario Hydro Systems....	94,839	5,965,115	146,642	49,144	931,971	81,047
	1,792,451	32,624,199	247,990	155,834	6,167,085	138,744
LIABILITIES						
Debentures outstanding.....	383,000	10,055,221			2,298,246	
Accounts payable.....	5,232	363,722	11	15	390,338	18
Other.....	86,730	1,338,319	1,540	947	147,235	375
Total liabilities.....	474,962	11,757,262	1,551	962	2,835,819	393
RESERVES						
Equity in Ontario Hydro Systems....	94,839	5,965,115	146,642	49,144	931,971	81,047
Other.....	1,259					
Total reserves.....	96,098	5,965,115	146,642	49,144	931,971	81,047
CAPITAL						
Debentures redeemed.....	349,158	2,989,743	13,756	55,100	457,026	16,721
Local sinking fund.....		853,111				
Accumulated net income invested in plant or held as working funds..	872,233	11,058,968	86,041	50,628	1,942,269	40,583
Total capital.....	1,221,391	14,901,822	99,797	105,728	2,399,295	57,304
	1,792,451	32,624,199	247,990	155,834	6,167,085	138,744
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	1,000,153	12,224,770	63,473	34,024	2,626,423	18,974
Other.....	13,585	278,381	2,468	998	73,072	1,517
Total revenue.....	1,013,738	12,503,151	65,941	35,022	2,699,495	20,491
EXPENSE						
Power purchased.....	597,862	7,213,466	36,153	22,887	1,841,383	11,611
Local generation.....						
Operation and maintenance.....	112,191	951,306	13,137	2,589	169,581	2,200
Administration.....	122,830	962,679	5,467	3,587	216,530	3,584
Fixed charges—interest and principal	38,977	987,891			203,216	
—depreciation.....	49,663	580,599	2,871	3,576	109,615	2,054
—other.....						
Total expense.....	921,523	10,695,941	57,628	32,639	2,540,325	19,449
Net income or net expense.....	92,215	1,807,210	8,313	2,383	159,170	1,042
Number of customers.....	7,872	93,429	697	406	13,177	232

Statements for the Year Ended December 31, 1962

Omèmee	Orangeville	Orillia	Orono	Oshawa	Ottawa	Otterville	Owen Sound	Paisley
817	4,830	14,663	845	63,022	295,768	759	17,815	744
\$ 75,962 24,712	\$ 350,973 82,526	\$ 4,811,959 1,178,684	\$ 81,403 22,169	\$ 7,469,526 1,737,764	\$ 32,637,283 6,860,055	\$ 63,868 22,091	\$ 1,628,944 402,512	\$ 75,956 14,495
51,250	268,447	3,633,275	59,234	5,731,762	25,777,228	41,777	1,226,432	61,461
1,193	9,876	37,281	968	359,683	278,170	764	108,798	4,691
8,000	.....	114,816	2,500	400,000	543,000	.....	70,000	9,000
267	4,532	60,058	411	319,678	878,081	380	60,235	467
9,460	14,408	212,155	3,879	1,079,361	1,699,251	1,144	239,033	14,158
2,625	7,207	60,669	3,474	109,857	420,538	.....	49,163	.....
.....
.....	831	.....	178	10,393	12,912	.....	2,925	598
2,625	8,038	60,669	3,652	120,250	433,450	.....	52,088	598
29,695	282,295	155,680	26,371	4,469,827	7,557,942	44,001	1,291,381	56,096
93,030	573,188	4,061,779	93,136	11,401,200	35,467,871	86,922	2,808,934	132,313
.....	.....	768,000	.....	284,000	4,493,000	.....	23,500	.....
5,632	5,011	8,094	468	250,918	845,026	326	43,206	139
224	3,402	15,863	460	129,966	5,954	299	22,478	385
5,856	8,413	791,957	928	664,884	5,343,980	625	89,184	524
29,695	282,295	155,680	26,371	4,469,827	7,557,942	44,001	1,291,381	56,096
.....	.....	115,918	.....	.....	450,680	.....	654	.....
29,695	282,295	271,598	26,371	4,469,827	8,008,622	44,001	1,292,035	56,096
12,000	25,594	1,844,000	8,000	518,622	5,397,698	4,500	184,218	13,623
.....
45,479	256,886	1,154,224	57,837	5,747,867	16,717,571	37,796	1,243,497	62,070
57,479	282,480	2,998,224	65,837	6,266,489	22,115,269	42,296	1,427,715	75,693
93,030	573,188	4,061,779	93,136	11,401,200	35,467,871	86,922	2,808,934	132,313
26,889	206,840	785,497	33,148	3,266,342	11,656,181	24,053	673,435	29,468
871	533	7,447	1,119	138,173	264,413	220	35,629	601
27,760	207,373	792,944	34,267	3,404,515	11,920,594	24,273	709,064	30,069
17,209	142,690	222,171	21,273	2,378,745	7,098,922	16,561	409,075	18,727
.....	.....	142,914	.....	.....	255,150	.....	.....	.....
5,349	11,346	89,256	3,231	205,441	1,147,301	1,343	86,367	2,215
3,598	23,022	98,502	6,391	221,990	821,268	1,840	79,892	3,785
.....	.....	136,690	.....	58,670	560,186	.....	8,641	.....
2,376	9,898	103,321	2,057	174,218	842,478	2,009	36,104	2,195
.....	.....	.....	.....	.....	18,180	.....	.....	.....
28,532	186,956	792,854	32,952	3,039,064	10,743,485	21,753	620,079	26,922
772	20,417	90	1,315	365,451	1,177,109	2,520	88,985	3,147
317	1,785	5,516	377	20,508	92,770	296	6,230	332

Municipal Electrical Utilities Financial

Municipality.....	Palmerston	Paris	Parkhill	Parry Sound	Penetanguishene	Perth
Population.....	1,525	5,770	1,105	6,116	4,842	5,529
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	213,522	578,370	136,626	965,793	310,293	473,839
Accumulated depreciation.....	52,716	161,364	26,796	256,477	117,507	150,349
Net fixed assets.....	160,806	417,006	109,830	709,316	192,786	323,490
CURRENT ASSETS						
Cash on hand and in bank.....	1,583	16,721	7,806	2,107	10,576	2,458
Investment in government securities.....			6,000	16,454	75,000	45,000
Accounts receivable (Net).....	3,850	3,359	3,381	5,968	1,647	3,482
Total current assets.....	5,433	20,080	17,187	24,529	87,223	50,940
OTHER ASSETS						
Inventory of stores.....	437	623	226	3,797	484	10,519
Sinking fund on local debentures.....						
Miscellaneous.....	7		64	652	361	
Total other assets.....	444	623	290	4,449	845	10,519
Equity in Ontario Hydro Systems.....	184,954	486,109	98,968	84,279	276,486	409,965
	351,637	923,818	226,275	822,573	557,340	794,914
LIABILITIES						
Debentures outstanding.....	13,000	81,000	6,900	59,500		
Accounts payable.....	318	253	237	13,082	188	1,191
Other.....	2,366	2,284	1,289	11,527	1,903	146
Total liabilities.....	15,684	83,537	8,426	84,109	2,091	1,337
RESERVES						
Equity in Ontario Hydro Systems.....	184,954	486,109	98,968	84,279	276,486	409,965
Other.....				2,310		
Total reserves.....	184,954	486,109	98,968	86,589	276,486	409,965
CAPITAL						
Debentures redeemed.....	29,000	114,506	22,863	409,000	36,983	85,045
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds.....	121,999	239,666	96,018	242,875	241,780	298,567
Total capital.....	150,999	354,172	118,881	651,875	278,763	383,612
	351,637	923,818	226,275	822,573	557,340	794,914
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	70,701	215,938	63,589	235,801	130,467	232,199
Other.....	149	1,072	569	6,666	4,644	4,080
Total revenue.....	70,850	217,010	64,158	242,467	135,111	236,279
EXPENSE						
Power purchased.....	41,047	129,663	41,075	102,123	92,555	163,997
Local generation.....				32,289		
Operation and maintenance.....	4,082	20,254	5,697	29,742	15,021	15,200
Administration.....	8,395	18,709	6,112	27,110	12,599	22,714
Fixed charges—interest and principal.....	1,873	8,851	1,052	6,568		
—depreciation.....	5,601	15,725	3,576	20,619	8,990	12,609
—other.....						
Total expense.....	60,998	193,202	57,512	218,451	129,165	214,520
Net income or net expense.....	9,852	23,808	6,646	24,016	5,946	21,759
Number of customers.....	631	1,987	513	2,075	1,388	2,053

Statements for the Year Ended December 31, 1962

Peter- borough 51,907	Petrolia 3,743	Pickering 1,777	Picton 4,707	Plattsville 488	Point Edward 2,764	Port Arthur 44,419	Port Burwell 769	Port Colborne 15,090
\$ 6,393,783 1,845,995	\$ 384,990 117,951	\$ 126,646 24,115	\$ 487,700 150,289	\$ 52,117 5,147	\$ 295,421 71,119	\$ 5,512,725 1,805,676	\$ 88,098 32,634	\$ 1,152,939 173,531
4,547,788	267,039	102,531	337,411	46,970	224,302	3,707,049	55,464	979,408
188,218	16,086	9,084	19,579	2,450	11,948	543,158	4,837	54,911
.....	15,000	.....	2,000	4,500	5,000	99,208	.....	10,000
183,116	12,346	1,947	4,671	1,128	4,190	218,024	346	3,515
371,334	43,432	11,031	26,250	8,078	21,138	860,390	5,183	68,426
63,050	18,150	142	14,118	26	267	198,282	.....	14,437
.....
3,599	521	2,903	.....	.....	790	6,241	873	10,080
66,649	18,671	3,045	14,118	26	1,057	204,523	873	24,517
2,907,711	377,988	12,649	356,619	55,983	403,701	9,421,772	21,352	649,633
7,893,482	707,130	129,256	734,398	111,057	650,198	14,193,734	82,872	1,721,984
962,500	.....	67,000	13,952	.....	.....	335,000	29,300	93,972
130,252	3,670	820	4,888	2,533	1,933	251,567	2,358	745
8,856	5,071	1,373	13,964	.....	2,112	.....	3,589	19,516
1,101,608	8,741	69,193	32,804	2,533	4,045	586,567	35,247	114,233
2,907,711	377,988	12,649	356,619	55,983	403,701	9,421,772	21,352	649,633
2,218	.....	.....	.....	.....	.....	102,175	.....	.....
2,909,929	377,988	12,649	356,619	55,983	403,701	9,523,947	21,352	649,633
947,111	50,000	6,564	49,230	5,237	17,000	641,317	10,700	249,028
.....
2,934,834	270,401	40,850	295,745	47,304	225,452	3,441,903	15,573	709,090
3,881,945	320,401	47,414	344,975	52,541	242,452	4,083,220	26,273	958,118
7,893,482	707,130	129,256	734,398	111,057	650,198	14,193,734	82,872	1,721,984
2,171,505	149,574	61,372	213,647	31,392	216,663	2,079,594	29,246	497,182
28,911	2,304	1,369	1,572	219	3,046	57,115	11	2,448
2,200,416	151,878	62,741	215,219	31,611	219,709	2,136,709	29,257	499,630
1,338,787	74,685	33,909	146,727	27,586	168,748	1,373,893	12,003	306,361
.....	.....	.....	.....	.....	.....	29,256	.....	.....
257,215	21,890	3,519	14,144	571	11,409	175,127	5,173	51,885
179,124	23,998	4,452	16,238	691	21,504	129,769	3,754	53,995
94,020	.....	6,850	7,398	.....	153	30,218	2,953	15,902
158,928	9,897	3,320	13,618	1,361	7,742	138,292	2,793	27,039
.....
2,028,074	130,470	52,050	198,125	30,209	209,556	1,876,555	26,676	455,182
172,342	21,408	10,691	17,094	1,402	10,153	260,154	2,581	44,448
15,202	1,329	522	1,821	197	846	14,267	472	4,637

Municipal Electrical Utilities Financial

Municipality.....	Port Credit	Port Dover	Port Elgin	Port Hope	Port McNicoll	Port Perry
Population.....	6,801	3,125	1,778	8,056	1,108	2,366
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	782,598	325,589	229,051	881,746	100,327	163,591
Accumulated depreciation.....	141,770	90,292	44,681	243,633	18,962	32,327
Net fixed assets.....	640,828	235,297	184,370	638,113	81,365	131,264
CURRENT ASSETS						
Cash on hand and in bank.....	33,247	16,598	9,854	83,596	9,222	871
Investment in government securities	13,500	.....	1,500	.....	26,000	16,000
Accounts receivable (Net).....	11,211	2,179	1,716	3,399	5,230	8,247
Total current assets.....	57,958	18,777	13,070	86,995	40,452	25,118
OTHER ASSETS						
Inventory of stores.....	10,073	302	3,505	31,014	2,040	482
Sinking fund on local debentures...	.....	.....	.....	.....	.....	.....
Miscellaneous.....	3,058	.....	136	.....	.....	1,541
Total other assets.....	13,131	302	3,641	31,014	2,040	2,023
Equity in Ontario Hydro Systems...	464,432	175,255	119,097	605,838	73,863	114,514
	1,176,349	429,631	320,178	1,361,960	197,720	272,919
LIABILITIES						
Debentures outstanding.....	33,300	63,331	.....	55,500	.....	.....
Accounts payable.....	11,187	1,203	548	1,546	12	12,628
Other.....	8,831	8,489	.....	42,109	397	2,109
Total liabilities.....	53,318	73,023	548	99,155	409	14,737
RESERVES						
Equity in Ontario Hydro Systems..	464,432	175,255	119,097	605,838	73,863	114,514
Other.....	.....	.....	.....	.....	.....	.....
Total reserves.....	464,432	175,255	119,097	605,838	73,863	114,514
CAPITAL						
Debentures redeemed.....	104,189	45,197	37,787	188,500	9,804	19,882
Local sinking fund.....	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds..	554,410	136,156	162,746	468,467	113,644	123,786
Total capital.....	658,599	181,353	200,533	656,967	123,448	143,668
	1,176,349	429,631	320,178	1,361,960	197,720	272,919
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	646,282	148,773	97,391	429,610	57,201	75,166
Other.....	10,041	937	1,615	3,337	2,100	1,321
Total revenue.....	656,323	149,710	99,006	432,947	59,301	76,487
EXPENSE						
Power purchased.....	518,797	95,770	56,350	272,930	34,473	58,822
Local generation.....	.....	.....	.....	.....	.....	.....
Operation and maintenance.....	18,714	17,208	14,173	38,856	4,735	5,335
Administration.....	36,419	10,858	10,626	45,096	3,974	9,981
Fixed charges—interest and principal	8,091	6,051	.....	18,507	.....	.....
—depreciation.....	18,389	9,219	5,280	21,393	2,622	4,533
—other.....	.....	.....	.....	.....	.....	.....
Total expense.....	600,410	139,106	86,429	396,782	45,804	78,671
Net income or net expense.....	55,913	10,604	12,577	36,165	13,497	2,184
Number of customers.....	2,857	1,568	1,116	2,809	526	830

Statements for the Year Ended December 31, 1962

Port Rowan	Port Stanley	Prescott	Preston	Priceville	Princeton	Queenston	Rainy River	Red Rock
803	1,453	5,201	11,633	136	427	510	1,121	1,828
\$ 72,261 16,969	\$ 197,155 75,843	\$ 344,065 113,385	\$ 1,410,904 328,159	\$ 16,823 6,606	\$ 36,156 8,301	\$ 44,769 8,741	\$ 97,905 49,027	\$ 107,353 28,811
55,292	121,312	230,680	1,082,745	10,217	27,855	36,028	48,878	78,542
4,136	6,830	5,022	40,025	3,559	3,037	4,157	13,728	5,962
.....	9,000	30,000	30,000	5,500	3,000	8,000	19,619	16,265
573	6,067	14,590	15,643	84	223	3,050	1,451	795
4,709	21,897	49,612	85,668	9,143	6,260	15,207	34,798	23,022
293	589	10,258	39,316	.....	.....	77	1,755	1,738
.....
.....	88	.....	2,404	.....	.....	.....	.....	1,833
293	677	10,258	41,720	.....	.....	77	1,755	3,571
36,902	181,086	310,859	1,116,129	5,163	42,233	35,810	.....	43,931
97,196	324,972	601,409	2,326,262	24,523	76,348	87,122	85,431	149,066
.....	.....	.....	167,120	2,675	1,500	.....	.....	9,750
563	9	306	59,419	321	.....	412	87	222
331	1,083	3,959	15,995	82	561	585	395	180
894	1,092	4,265	242,534	3,078	2,061	997	482	10,152
36,902	181,086	310,859	1,116,129	5,163	42,233	35,810	.....	43,931
.....
36,902	181,086	310,859	1,116,129	5,163	42,233	35,810	.....	43,931
11,000	18,950	23,981	309,163	9,491	4,495	9,500	26,087	21,450
.....
48,400	123,844	262,304	658,436	6,791	27,559	40,815	58,862	73,533
59,400	142,794	286,285	967,599	16,282	32,054	50,315	84,949	94,983
97,196	324,972	601,409	2,326,262	24,523	76,348	87,122	85,431	149,066
20,032	77,776	173,608	536,483	4,071	15,033	19,577	62,264	41,208
991	1,308	2,708	7,351	297	172	823	1,277	927
21,023	79,084	176,316	543,834	4,368	15,205	20,400	63,541	42,135
12,145	46,291	130,928	314,272	2,007	10,975	15,431	28,218	29,790
.....
1,690	13,587	12,585	56,438	309	1,335	861	8,792	2,039
1,737	12,054	16,311	32,772	433	1,272	1,227	8,399	3,949
.....	.....	.....	30,489	449	340	.....	4,110	2,086
1,944	6,129	10,243	35,559	577	1,050	1,284	3,202	3,072
.....
17,516	78,061	170,067	469,530	3,775	14,972	18,803	52,721	40,936
3,507	1,023	6,249	74,304	593	233	1,597	10,820	1,199
298	1,169	1,757	3,376	65	170	169	430	343

Municipal Electrical Utilities Financial

Municipality.....	Renfrew	Richmond	Richmond Hill	Ridgetown	Ripley	Riverside
Population.....	8,555	1,239	18,160	2,579	443	18,272
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	1,542,011	102,963	1,317,957	217,167	39,146	934,001
Accumulated depreciation.....	341,178	13,071	201,576	41,154	9,625	276,306
Net fixed assets.....	1,200,833	89,892	1,116,381	176,013	29,521	657,695
CURRENT ASSETS						
Cash on hand and in bank.....	13,276	13,724	41,718	6,445	15,167	40,383
Investment in government securities.....			25,000	15,044	10,000	
Accounts receivable (Net).....	32,991	1,686	37,843	2,200	70	26,341
Total current assets.....	46,267	15,410	104,561	23,689	25,237	66,724
OTHER ASSETS						
Inventory of stores.....	13,088		19,659	88		25,333
Sinking fund on local debentures.....						
Miscellaneous.....	196		12,931	3,378	875	4,965
Total other assets.....	13,284		32,590	3,466	875	30,298
Equity in Ontario Hydro Systems.....	171,062	30,148	332,783	187,883	40,681	517,534
	1,431,446	135,450	1,586,315	391,051	96,314	1,272,251
LIABILITIES						
Debentures outstanding.....	155,845	25,900	590,088	41,472		36,100
Accounts payable.....	29,493	13	3,320	3,674	1,400	650
Other.....	30,253	904	43,089	6,354	443	18,130
Total liabilities.....	215,591	26,817	636,497	51,500	1,843	54,880
RESERVES						
Equity in Ontario Hydro Systems..	171,062	30,148	332,783	187,883	40,681	517,534
Other.....		214				
Total reserves.....	171,062	30,362	332,783	187,883	40,681	517,534
CAPITAL						
Debentures redeemed.....	615,392	8,987	128,898	39,984	12,745	159,300
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	429,401	69,284	488,137	111,684	41,045	540,537
Total capital.....	1,044,793	78,271	617,035	151,668	53,790	699,837
	1,431,446	135,450	1,586,315	391,051	96,314	1,272,251
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	311,589	38,561	647,263	100,909	17,550	444,532
Other.....	2,867	55	13,130	2,743	867	6,557
Total revenue.....	314,456	38,616	660,393	103,652	18,417	451,089
EXPENSE						
Power purchased.....	160,372	24,280	413,568	61,771	13,432	269,803
Local generation.....	23,405					
Operation and maintenance.....	23,513	1,401	40,571	11,074	1,570	43,759
Administration.....	31,088	1,658	54,145	14,139	1,698	55,867
Fixed charges—interest and principal	19,790	2,586	60,880	5,200		9,096
—depreciation.....	31,374	2,658	30,466	5,796	1,161	23,963
—other.....						
Total expense.....	289,542	32,583	599,630	97,980	17,861	402,488
Net income or net expense.....	24,914	6,033	60,763	5,672	556	48,601
Number of customers.....	2,724	374	5,082	1,059	228	5,578

Statements for the Year Ended December 31, 1962

Rockland	Rockwood	Rodney	Rosseau	Russell	St. Catharines	St. Clair Beach	St. George	St. Jacobs
3,409	823	1,095	229	571	83,706	1,440	739	676
\$ 128,442 15,804	\$ 51,758 12,281	\$ 69,474 25,424	\$ 25,964 6,616	\$ 51,911 9,179	\$ 8,509,279 1,600,998	\$ 105,573 28,202	\$ 56,885 8,068	\$ 58,558 13,129
112,638	39,477	44,050	19,348	42,732	6,908,281	77,371	48,817	45,429
550	7,294	1,881	3,176	1,329	161,130	19,523	1,398	5,126
.....	1,500	1,200	2,500	5,000	.....	.....	6,000	5,000
3,561	74	555	434	2,228	391,193	785	372	1,102
4,111	8,868	3,636	6,110	8,557	552,323	20,308	7,770	11,228
.....	.....	44	.....	.....	136,428	14	90	.....
.....	.....	.....	.....	.....	5,064	129	.....	.....
1,326	4,000	108	.....	.....	.....	.....	.....	.....
1,326	4,000	152	.....	.....	141,492	143	90	.....
27,014	51,333	64,959	17,098	29,182	6,355,056	44,304	60,430	77,625
145,089	103,678	112,797	42,556	80,471	13,957,152	142,126	117,107	134,282
17,000	5,878	.....	.....	.....	18,000	2,800	.....	.....
2,841	4,058	349	155	195	1,239,012	3,077	186	1,477
2,721	543	705	63	117	77,738	1,165	676	100
22,562	10,479	1,054	218	312	1,334,750	7,042	862	1,577
27,014	51,333	64,959	17,098	29,182	6,355,056	44,304	60,430	77,625
.....
27,014	51,333	64,959	17,098	29,182	6,355,056	44,304	60,430	77,625
8,000	6,451	8,500	11,933	8,808	385,709	15,024	6,000	6,000
.....
87,513	35,415	38,284	13,307	42,169	5,881,637	75,756	49,815	49,080
95,513	41,866	46,784	25,240	50,977	6,267,346	90,780	55,815	55,080
145,089	103,678	112,797	42,556	80,471	13,957,152	142,126	117,107	134,282
61,916	28,260	37,676	8,419	15,205	4,939,877	42,342	27,016	32,272
218	126	737	180	356	55,122	360	544	466
62,134	28,386	38,413	8,599	15,561	4,994,999	42,702	27,560	32,738
41,843	19,377	22,687	4,916	11,040	3,368,755	25,812	20,260	24,354
.....
6,607	880	6,162	886	1,358	309,759	3,651	1,439	923
3,589	2,720	4,971	772	1,734	250,591	5,278	2,259	1,828
1,797	589	.....	.....	.....	69,590	1,523	.....	.....
3,084	1,576	2,231	792	1,423	200,104	3,288	1,360	1,684
.....
56,920	25,142	36,051	7,366	15,555	4,198,799	39,552	25,318	28,789
5,214	3,244	2,362	1,233	6	796,200	3,150	2,242	3,949
771	296	461	131	213	26,196	432	296	252

Municipal Electrical Utilities Financial

Municipality	St. Mary's	St. Thomas	Sandwich East Twp.	Sandwich West Twp.	Sarnia	Scarborough Twp.
Population	4,518	22,399	22,052	29,152	50,551	226,076
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost	577,808	2,222,764	1,503,968	2,326,243	5,630,467	22,139,575
Accumulated depreciation	150,292	668,377	396,719	508,237	1,395,617	3,411,939
Net fixed assets	427,516	1,554,387	1,107,249	1,818,006	4,234,850	18,727,636
CURRENT ASSETS						
Cash on hand and in bank	88,347	74,047	182,695	152,318	176,001	1,217,757
Investment in government securities	42,500	35,000	28,469	49,369	.....	326,500
Accounts receivable (Net)	16,142	78,249	41,555	54,600	121,506	421,793
Total current assets	146,989	187,296	252,719	256,287	297,507	1,966,050
OTHER ASSETS						
Inventory of stores	19,536	69,241	50,952	30,287	203,197	191,776
Sinking fund on local debentures .....	.....	.....	.....	.....	.....	1,041,772
Miscellaneous	65	43,291	43,650	61,094	45,800	230,735
Total other assets	19,601	112,532	94,602	91,381	248,997	1,464,283
Equity in Ontario Hydro Systems	622,221	2,053,594	259,982	472,030	4,915,383	4,797,818
	1,216,327	3,907,809	1,714,552	2,637,704	9,696,737	26,955,787
LIABILITIES						
Debentures outstanding	34,751	194,000	842,000	1,009,600	612,100	9,656,251
Accounts payable	21	465	8,494	4,832	79,597	706,464
Other	7,127	57,588	38,646	101,055	130,135	1,011,730
Total liabilities	41,899	252,053	889,140	1,115,487	821,832	11,374,445
RESERVES						
Equity in Ontario Hydro Systems	622,221	2,053,594	259,982	472,030	4,915,383	4,797,818
Other .....	.....	.....	.....	.....	.....	.....
Total reserves	622,221	2,053,594	259,982	472,030	4,915,383	4,797,818
CAPITAL						
Debentures redeemed	155,457	144,891	198,278	285,900	674,291	2,292,030
Local sinking fund .....	.....	.....	.....	.....	.....	1,041,772
Accumulated net income invested in plant or held as working funds	396,750	1,457,271	367,152	764,287	3,285,231	7,449,722
Total capital	552,207	1,602,162	565,430	1,050,187	3,959,522	10,783,524
	1,216,327	3,907,809	1,714,552	2,637,704	9,696,737	26,955,787
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	565,269	1,037,245	619,353	971,027	6,578,476	9,032,924
Other	6,952	12,779	10,078	13,855	48,198	359,679
Total revenue	572,221	1,050,024	629,431	984,882	6,626,674	9,392,603
EXPENSE						
Power purchased	432,175	573,009	255,330	511,778	5,453,621	5,787,290
Local generation .....	.....	.....	.....	.....	.....	.....
Operation and maintenance	20,332	157,757	83,174	132,129	394,639	506,055
Administration	22,571	82,770	103,051	84,059	260,219	542,376
Fixed charges—interest and principal	5,353	16,972	85,490	108,604	65,414	960,949
—depreciation	14,948	57,040	39,036	59,125	134,700	511,872
—other .....	.....	.....	.....	.....	.....	.....
Total expense	495,379	887,548	566,081	895,695	6,308,593	8,308,542
Net income or net expense	76,842	162,476	63,350	89,187	318,081	1,084,061
Number of customers	1,696	8,021	6,285	8,097	15,570	68,745

Statements for the Year Ended December 31, 1962

Schreiber Twp. 2,141	Seaforth 2,352	Shelburne 1,300	Simcoe 8,663	Sioux Lookout 2,627	Smith's Falls 9,596	Smithville 846	Southamp- ton 1,820	South River 1,031
\$ 162,311 36,509	\$ 267,655 45,949	\$ 132,230 41,612	\$ 810,926 214,527	\$ 242,044 42,984	\$ 854,440 251,219	\$ 78,557 17,967	\$ 212,565 39,092	\$ 129,161 42,393
125,802	221,706	90,618	596,399	199,060	603,221	60,590	173,473	86,768
4,300	17,111	6,888	61,225	16,478	9,931	9,260	21,720	10,513
24,963	9,000	14,000	24,526	5,000	20,000	3,000	10,135	.....
1,480	2,523	479	9,151	9,888	5,057	547	789	175
30,743	28,634	21,367	94,902	31,366	34,988	12,807	32,644	10,688
958	641	190	938	7,574	22,391	.....	540	.....
.....
.....	1,501	.....	.....	11	391	.....	193	7,981
958	2,142	190	938	7,585	22,782	.....	733	7,981
56,854	231,321	104,105	652,683	.....	648,255	41,201	113,249	775
214,357	483,803	216,280	1,344,922	238,011	1,309,246	114,598	320,099	106,212
.....	21,800	.....	.....	.....	2,500	.....	4,169	87,500
71	1,305	.....	28	1,089	24	5	1,011	2,186
.....	3,100	181	11,676	4,662	787	344	481	7,973
71	26,205	181	11,704	5,751	3,311	349	5,661	97,659
56,854	231,321	104,105	652,683	.....	648,255	41,201	113,249	775
.....
56,854	231,321	104,105	652,683	.....	648,255	41,201	113,249	775
50,000	52,640	16,991	75,435	.....	145,287	15,000	38,354	2,500
.....
107,432	173,637	95,003	605,100	232,260	512,393	58,048	162,835	5,278
157,432	226,277	111,994	680,535	232,260	657,680	73,048	201,189	7,778
214,357	483,803	216,280	1,344,922	238,011	1,309,246	114,598	320,099	106,212
63,972	100,562	55,711	422,668	145,760	384,319	43,175	92,424	40,337
1,424	1,223	456	8,968	1,527	2,384	780	2,743	73
65,396	101,785	56,167	431,636	147,287	386,703	43,955	95,167	40,410
42,260	57,957	39,543	305,225	89,106	257,688	26,051	54,429	13,648
.....
6,949	10,120	1,917	44,319	17,467	28,748	5,650	13,909	1,844
8,605	10,703	5,706	24,170	18,799	32,346	6,437	6,556	5,519
.....	2,963	.....	.....	.....	2,692	.....	1,517	7,803
4,279	6,128	4,095	20,456	6,185	23,756	2,007	4,753	3,200
.....
62,093	87,871	51,261	394,170	131,557	345,230	40,145	81,164	32,014
3,303	13,914	4,906	37,466	15,730	41,473	3,810	14,003	8,396
683	911	595	3,312	957	3,440	376	1,236	330

Municipal Electrical Utilities Financial

Municipality.....	Springfield	Stamford Twp.	Stayner	Stirling	Stoney Creek	Stouffville
Population	513	31,340	1,706	1,309	6,521	3,389
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	43,876	2,805,573	148,033	140,560	394,457	279,317
Accumulated depreciation.....	15,534	514,289	26,117	43,580	67,524	41,243
Net fixed assets.....	28,342	2,291,284	121,916	96,980	326,933	238,074
CURRENT ASSETS						
Cash on hand and in bank.....	4,526	212,845	630	16,166	39,206	4,698
Investment in government securities	500	8,000	1,000			
Accounts receivable (Net).....	238	33,858	1,485	771	3,407	3,937
Total current assets.....	5,264	254,703	3,115	16,937	42,613	8,635
OTHER ASSETS						
Inventory of stores.....		39,633	707	1,332		210
Sinking fund on local debentures...						
Miscellaneous.....		34,043	575		6,966	1,931
Total other assets.....		73,676	1,282	1,332	6,966	2,141
Equity in Ontario Hydro Systems...	35,744	1,000,170	92,511	69,764	128,035	136,443
	69,350	3,619,833	218,824	185,013	504,547	385,293
LIABILITIES						
Debentures outstanding.....		891,083		5,153	37,897	60,695
Accounts payable.....	143	1,244	2,940	3	6,116	543
Other.....	385	68,430	861	1,136	8,623	3,185
Total liabilities.....	528	960,757	3,801	6,292	52,636	64,423
RESERVES						
Equity in Ontario Hydro Systems...	35,744	1,000,170	92,511	69,764	128,035	136,443
Other.....						
Total reserves.....	35,744	1,000,170	92,511	69,764	128,035	136,443
CAPITAL						
Debentures redeemed.....	9,500	679,195	9,557	17,847	40,563	23,466
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds...	23,578	979,711	112,955	91,110	283,313	160,961
Total capital.....	33,078	1,658,906	122,512	108,957	323,876	184,427
	69,350	3,619,833	218,824	185,013	504,547	385,293
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	12,143	1,090,143	55,194	54,641	211,648	140,676
Other.....	176	15,516	2,013	1,039	4,221	5,405
Total revenue.....	12,319	1,105,659	57,207	55,680	215,869	146,081
EXPENSE						
Power purchased.....	8,997	625,845	39,405	34,484	159,334	91,111
Local generation.....						
Operation and maintenance.....	580	107,758	4,743	6,427	10,484	6,596
Administration.....	1,144	100,896	5,630	5,933	23,420	14,315
Fixed charges—interest and principal		101,939		692	6,595	6,057
—depreciation.....	1,439	69,137	3,737	3,844	9,545	5,844
—other.....						
Total expense.....	12,160	1,005,575	53,515	51,380	209,378	123,923
Net income or net expense.....	159	100,084	3,692	4,300	6,491	22,158
Number of customers.....	182	9,442	683	550	2,071	1,130

Statements for the Year Ended December 31, 1962

Stratford	Strathroy	Streetsville	Sturgeon Falls	Sudbury	Sunderland	Sundridge	Sutton	Swansea
20,857	5,211	5,291	6,442	80,523	594	796	1,415	9,256
\$ 2,540,480 451,042	\$ 581,099 181,637	\$ 400,443 65,647	\$ 402,908 74,984	\$ 6,845,981 1,398,968	\$ 50,756 11,854	\$ 75,480 11,578	\$ 151,903 46,289	\$ 755,304 214,425
2,089,438	399,462	334,796	327,924	5,447,013	38,902	63,902	105,614	540,879
28,387	6,168	38,999	14,019	975	9,333	5,086	6,807	157,915
180,000	.....	.....	.....	75,050	2,000	18,919	7,000	.....
31,469	6,644	6,437	13,598	737,040	247	589	5,192	20,983
239,856	12,812	45,436	27,617	813,065	11,580	24,594	18,999	178,898
94,920	1,054	841	.....	137,334	.....	529	.....	8,897
26,537	2,450	25	4,896	18,179	.....	1,982	2,216	1,271
121,457	3,504	866	4,896	155,513	.....	2,511	2,216	10,168
2,317,509	407,052	122,413	16,287	152,877	43,845	13,539	109,419	570,389
4,768,260	822,830	503,511	376,724	6,568,468	94,327	104,546	236,248	1,300,334
401,500	81,600	99,846	104,000	1,757,000	.....	21,686	.....	49,539
156,271	2,632	523	36,026	142,459	76	677	5,198	24,022
48,017	6,969	9,941	33,407	165,779	80	111	777	17,625
605,788	91,201	110,310	173,433	2,065,238	156	22,474	5,975	91,186
2,317,509	407,052	122,413	16,287	152,877	43,845	13,539	109,419	570,389
.....	.....	948	.....	10,162	.....	.....	.....	.....
2,317,509	407,052	123,361	16,287	163,039	43,845	13,539	109,419	570,389
474,300	62,060	53,331	31,000	983,840	4,628	13,313	26,000	198,973
.....
1,370,663	262,517	216,509	156,004	3,356,351	45,698	55,220	94,854	439,786
1,844,963	324,577	269,840	187,004	4,340,191	50,326	68,533	120,854	638,759
4,768,260	822,830	503,511	376,724	6,568,468	94,327	104,546	236,248	1,300,334
1,015,966	233,648	209,432	169,272	2,817,858	21,285	29,933	69,501	389,080
33,630	725	2,201	1,876	87,533	249	842	613	17,378
1,049,596	234,373	211,633	171,148	2,905,391	21,534	30,775	70,114	406,458
603,941	144,097	133,458	107,349	1,681,716	14,789	15,706	50,972	241,536
.....
155,391	29,750	9,197	17,827	395,955	786	3,156	4,518	62,320
89,711	24,715	13,405	26,073	265,873	1,939	2,313	10,156	39,389
38,036	7,256	10,155	12,200	124,265	.....	2,808	.....	13,728
58,866	14,624	10,233	9,405	146,635	1,465	1,827	4,647	18,785
.....
945,945	220,442	176,448	172,854	2,614,444	18,979	25,810	70,293	375,758
103,651	13,931	35,185	1,706	290,947	2,555	4,965	179	30,700
7,140	1,861	1,519	1,692	24,045	263	312	897	3,594

Municipal Electrical Utilities Financial

Municipality	Tara	Tavistock	Tecumseh	Teeswater	Terrace Bay Twp.	Thamesford
Population	487	1,225	4,492	884	1,928	1,195
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost	49,912	139,547	258,715	99,657	299,491	90,235
Accumulated depreciation	11,763	57,425	89,196	16,321	54,818	19,995
Net fixed assets	38,149	82,122	169,519	83,336	244,673	70,240
CURRENT ASSETS						
Cash on hand and in bank	1,538	16,992	13,735	441	11,636	8,963
Investment in government securities	8,000	10,000		3,500		
Accounts receivable (Net)	135	1,096	10,709	344	1,039	1,323
Total current assets	9,673	28,088	24,444	4,285	12,675	10,286
OTHER ASSETS						
Inventory of stores	178	312	15,661			
Sinking fund on local debentures						
Miscellaneous	362	448		111	235	69
Total other assets	540	760	15,661	111	235	69
Equity in Ontario Hydro Systems	44,169	180,993	149,853	67,661	87,889	78,259
	92,531	291,963	359,477	155,393	345,472	158,854
LIABILITIES						
Debentures outstanding		18,397			31,200	1,800
Accounts payable	33	11	583	145	25,292	196
Other	60	1,187	2,415	89		750
Total liabilities	93	19,595	2,998	234	56,492	2,746
RESERVES						
Equity in Ontario Hydro Systems	44,169	180,993	149,853	67,661	87,889	78,259
Other						
Total reserves	44,169	180,993	149,853	67,661	87,889	78,259
CAPITAL						
Debentures redeemed	14,264	16,887	26,000	21,296	46,800	6,558
Local sinking fund						
Accumulated net income invested in plant or held as working funds	34,005	74,488	180,626	66,202	154,291	71,291
Total capital	48,269	91,375	206,626	87,498	201,091	77,849
	92,531	291,963	359,477	155,393	345,472	158,854
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	24,644	56,147	110,541	39,581	74,829	53,182
Other	334	2,871	1,925	337	3,910	1,365
Total revenue	24,978	59,018	112,466	39,918	78,739	54,547
EXPENSE						
Power purchased	18,464	34,925	59,685	30,966	49,345	36,419
Local generation						
Operation and maintenance	1,523	7,492	18,862	1,296	4,316	2,966
Administration	1,458	3,990	17,153	2,808	6,945	3,181
Fixed charges—interest and principal		2,260			5,251	270
—depreciation	1,470	3,524	7,669	2,665	6,067	2,373
—other						
Total expense	22,915	52,191	103,369	37,735	71,924	45,209
Net income or net expense	2,063	6,827	9,097	2,183	6,815	9,338
Number of customers	235	513	1,346	370	446	416

Statements for the Year Ended December 31, 1962

Thamesville	Thedford	Thessalon	Thornbury	Thorndale	Thornton	Thorold	Tilbury
1,020	750	1,720	1,153	410	355	8,552	3,021
\$	\$	\$	\$	\$	\$	\$	\$
110,413	64,287	138,808	166,296	35,326	22,989	678,949	257,690
33,984	12,890	31,239	21,030	12,825	9,228	138,333	90,349
76,429	51,397	107,569	145,266	22,501	13,761	540,616	167,341
12,262	1,513	6,950	8,399	7,059	1,416	.....	11,938
6,858	3,000	.....	4,000	3,000	.....	.....	10,000
1,073	852	2,612	7,442	295	557	4,062	4,642
20,193	5,365	9,562	19,841	10,354	1,973	4,062	26,580
.....	14	.....	2,982	.....	.....	16,353	549
.....
14	134	3,413	286	.....	.....	3,898	629
14	148	3,413	3,268	.....	.....	20,251	1,178
86,388	51,615	5,084	32,627	34,602	15,421	797,825	246,708
183,024	108,525	125,628	201,002	67,457	31,155	1,362,754	441,807
.....	.....	48,500	19,202	.....	.....	81,385	34,000
7	.....	679	5,140	169	127	727	1,194
1,405	437	3,300	265	3	108	9,554	5,008
1,412	437	52,479	24,607	172	235	91,666	40,202
86,388	51,615	5,084	32,627	34,602	15,421	797,825	246,708
.....
86,388	51,615	5,084	32,627	34,602	15,421	797,825	246,708
11,188	16,500	16,500	66,798	3,086	7,199	48,615	30,000
.....
84,036	39,973	51,565	76,970	29,597	8,300	424,648	124,897
95,224	56,473	68,065	143,768	32,683	15,499	473,263	154,897
183,024	108,525	125,628	201,002	67,457	31,155	1,362,754	441,807
50,278	27,591	67,108	71,460	13,282	7,648	671,919	102,609
767	360	183	804	282	.....	2,350	1,651
51,045	27,951	67,291	72,264	13,564	7,648	674,269	104,260
35,372	23,588	32,297	40,968	8,370	4,899	574,060	60,105
.....
6,615	1,880	4,951	7,564	783	568	54,231	12,212
5,630	2,389	12,390	5,222	1,574	540	29,290	18,273
.....	.....	5,295	2,765	.....	.....	9,396	4,564
3,174	1,754	3,713	3,772	1,172	816	16,183	7,340
.....
50,791	29,611	58,646	60,291	11,899	6,823	683,160	102,494
254	1,660	8,645	11,973	1,665	825	8,891	1,766
445	321	516	554	139	97	2,529	1,043

Municipal Electrical Utilities Financial

Municipality.....	Tillsonburg	Toronto	Toronto Twp.	Tottenham	Trenton	Tweed
Population.....	6,691	656,565	65,426	746	13,147	1,822
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	837,141	99,789,230	7,580,027	45,422	1,380,592	162,922
Accumulated depreciation.....	141,050	27,184,311	1,082,919	14,165	380,332	30,630
Net fixed assets.....	696,091	72,604,919	6,497,108	31,257	1,000,260	132,292
CURRENT ASSETS						
Cash on hand and in bank.....	23,389	200,196	218,076	7,780	10,879	.....
Investment in government securities.....	.....	6,006,781	8,000	10,528	45,000	11,000
Accounts receivable (Net).....	3,658	4,902,573	491,639	1,193	16,178	1,455
Total current assets.....	27,047	11,109,550	717,715	19,501	72,057	12,455
OTHER ASSETS						
Inventory of stores.....	20,114	2,333,122	226,959	.....	31,228	318
Sinking fund on local debentures.....	.....	1,221,021	.....	.....	.....	.....
Miscellaneous.....	5,069	535,839	46,910	186	1,293	425
Total other assets.....	25,183	4,089,982	273,869	186	32,521	743
Equity in Ontario Hydro Systems.....	438,318	88,065,083	2,116,317	51,164	937,983	87,179
	1,186,639	175,869,534	9,605,009	102,108	2,042,821	232,669
LIABILITIES						
Debentures outstanding.....	69,600	13,001,050	924,457	813	.....	.....
Accounts payable.....	9,791	2,150,332	115,373	14	13,468	3,969
Other.....	24,831	578,180	156,893	718	14,957	679
Total liabilities.....	104,222	15,729,562	1,196,723	1,545	28,425	4,648
RESERVES						
Equity in Ontario Hydro Systems.....	438,318	88,065,083	2,116,317	51,164	937,983	87,179
Other.....	.....	441,592	.....	.....	.....	.....
Total reserves.....	438,318	88,506,675	2,116,317	51,164	937,983	87,179
CAPITAL						
Debentures redeemed.....	139,662	31,926,935	669,827	20,622	164,587	19,000
Local sinking fund.....	.....	1,221,021	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds.....	504,437	38,485,341	5,622,142	28,777	911,826	121,842
Total capital.....	644,099	71,633,297	6,291,969	49,399	1,076,413	140,842
	1,186,639	175,869,534	9,605,009	102,108	2,042,821	232,669
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	340,801	39,418,267	3,595,189	23,571	765,618	55,680
Other.....	5,470	709,026	45,197	641	16,072	2,272
Total revenue.....	346,271	40,127,293	3,640,386	24,212	781,690	57,952
EXPENSE						
Power purchased.....	206,015	23,456,334	2,315,631	17,371	541,058	46,408
Local generation.....	.....	.....	.....	.....	.....	.....
Operation and maintenance.....	35,019	5,721,876	272,406	1,882	35,012	5,509
Administration.....	32,574	4,838,046	277,941	1,548	54,962	6,168
Fixed charges—interest and principal	15,044	1,193,998	116,673	838	.....	.....
—depreciation.....	18,242	2,460,484	171,605	1,236	34,709	4,441
—other.....	.....	54,900	.....	.....	.....	.....
Total expense.....	306,894	37,725,638	3,154,256	22,875	665,741	62,526
Net income or net expense.....	39,377	2,401,655	486,130	1,337	115,949	4,574
Number of customers.....	2,548	210,783	17,556	277	4,259	656

Statements for the Year Ended December 31, 1962

Uxbridge 2,399	Vankleek Hill 1,732	Victoria Harbour 1,047	Walkerton 3,968	Wallaceburg 7,898	Wardsville 313	Warkworth 536	Wasaga Beach 480
\$ 182,840 45,285	\$ 144,598 34,296	\$ 72,541 13,860	\$ 315,391 51,993	\$ 946,076 309,154	\$ 29,194 8,586	\$ 49,461 10,803	\$ 185,553 59,643
137,555	110,302	58,681	263,398	636,922	20,608	38,658	125,910
10,347	12,538	2,587	22,389	103,858	3,081	1,241	21,350
22,057	10,000	.....	23,000	77,957	1,500	500	15,000
1,817	219	1,408	2,370	44,967	202	63	3,464
34,221	22,757	3,995	47,759	226,782	4,783	1,804	39,814
3,157	.....	1,204	13,181	86,719	.....	.....	.....
818	1,686	639	301	13	.....	250	2,946
3,975	1,686	1,843	13,482	86,732	.....	250	2,946
132,785	17,785	32,893	205,406	1,070,119	20,852	25,259	24,462
308,536	152,530	97,412	530,045	2,020,555	46,243	65,971	193,132
.....	30,200	8,000	.....	.....	.....	6,957	59,000
2,446	1,445	1,178	228	1,033	10	61	34
2,087	2,025	230	3,080	8,699	175	219	4,142
4,533	33,670	9,408	3,308	9,732	185	7,237	63,176
132,785	17,785	32,893	205,406	1,070,119	20,852	25,259	24,462
.....	.....	.....	.....	1,046	.....	.....	.....
132,785	17,785	32,893	205,406	1,071,165	20,852	25,259	24,462
15,364	15,800	10,879	56,749	71,536	7,562	7,816	51,000
.....
155,854	85,275	44,232	264,582	868,122	17,644	25,659	54,494
171,218	101,075	55,111	321,331	939,658	25,206	33,475	105,494
308,536	152,530	97,412	530,045	2,020,555	46,243	65,971	193,132
96,014	51,312	29,061	157,863	450,467	12,316	16,264	62,416
1,486	1,482	106	2,736	7,448	194	251	1,856
97,500	52,794	29,167	160,599	457,915	12,510	16,515	64,272
69,393	24,254	15,714	108,911	331,722	8,428	11,671	30,182
.....
7,602	4,457	4,161	12,021	43,153	1,362	1,256	5,437
8,596	4,424	2,199	16,622	42,978	683	1,806	10,872
.....
.....	3,553	1,196	.....	.....	.....	642	7,992
4,518	4,119	2,036	7,241	26,345	913	1,447	5,122
.....
90,109	40,807	25,306	144,795	444,198	11,386	16,822	59,605
7,391	11,987	3,861	15,804	13,717	1,124	307	4,667
921	557	520	1,366	2,726	150	234	1,039

Municipal Electrical Utilities Financial

Municipality.....	Waterdown	Waterford	Waterloo	Watford	Waubaushe ne	Webbwood
Population.....	1,874	2,290	22,244	1,257	1,425	520
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	145,146	166,730	2,637,189	101,005	58,382	41,704
Accumulated depreciation.....	36,338	41,182	517,772	38,195	10,817	5,272
Net fixed assets.....	108,808	125,548	2,119,417	62,810	47,565	36,432
CURRENT ASSETS						
Cash on hand and in bank.....	9,689	2,916	115,584	15,835	882	8,961
Investment in government securities		5,000	700	13,129		
Accounts receivable (Net).....	4,588	1,144	22,652	2,331	1,886	397
Total current assets.....	14,277	9,060	138,936	31,295	2,768	9,358
OTHER ASSETS						
Inventory of stores.....		284	57,314	679	1,016	
Sinking fund on local debentures.....						
Miscellaneous.....			542	69		1,648
Total other assets.....		284	57,856	748	1,016	1,648
Equity in Ontario Hydro Systems....	101,780	139,215	1,430,589	130,860	29,153	609
	224,865	274,107	3,746,798	225,713	80,502	48,047
LIABILITIES						
Debentures outstanding.....	7,000	30,200	798,500			21,928
Accounts payable.....	5	415	69,164	394	753	1,126
Other.....	574	3,039	68,047	916	35	394
Total liabilities.....	7,579	33,654	935,711	1,310	788	23,448
RESERVES						
Equity in Ontario Hydro Systems..	101,780	139,215	1,430,589	130,860	29,153	609
Other.....						
Total reserves.....	101,780	139,215	1,430,589	130,860	29,153	609
CAPITAL						
Debentures redeemed.....	15,632	11,923	426,126	9,056	3,242	8,072
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	99,874	89,315	954,372	84,487	47,319	15,918
Total capital.....	115,506	101,238	1,380,498	93,543	50,561	23,990
	224,865	274,107	3,746,798	225,713	80,502	48,047
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	65,845	77,823	1,110,421	75,478	24,714	16,884
Other.....	220	250	7,114	1,204	297	
Total revenue.....	66,065	78,073	1,117,535	76,682	25,011	16,884
EXPENSE						
Power purchased.....	38,969	47,582	692,173	58,214	13,399	6,868
Local generation.....						
Operation and maintenance.....	6,416	10,814	97,647	3,357	3,505	1,571
Administration.....	6,196	6,298	58,561	8,505	2,625	2,865
Fixed charges—interest and principal	1,392	2,855	88,652			2,626
—depreciation.....	4,179	4,337	56,547	2,915	1,626	1,086
—other.....						
Total expense.....	57,152	71,886	993,580	72,991	21,155	15,016
Net income or net expense.....	8,913	6,187	123,955	3,691	3,856	1,868
Number of customers.....	600	843	6,978	528	453	151

Statements for the Year Ended December 31, 1962

Welland	Wellesley	Wellington	West Ferris Twp.	West Lorne	Weston	Westport	Wheatley
35,645	673	1,015	5,729	1,099	9,651	689	1,356
\$ 3,248,843 862,684	\$ 62,704 9,188	\$ 76,477 34,681	\$ 647,969 89,610	\$ 125,321 41,744	\$ 1,359,204 297,707	\$ 44,642 6,655	\$ 165,802 34,098
2,386,159	53,516	41,796	558,359	83,577	1,061,497	37,987	131,704
165,657	2,691	4,688	17,028	12,456	67,901	1,720	12,595
172,000	1,000	7,000	.....	14,777	.....	8,000	.....
16,818	333	422	12,257	1,273	14,615	14	123
354,475	4,024	12,110	29,285	28,506	82,516	9,734	12,718
35,950	72	1,400	15,042	1,148	23,862	.....	687
.....	.....	.....	.....	.....	37,909	.....	.....
37,162	.....	188	10,981	100	4,329	.....	112
73,112	72	1,588	26,023	1,248	66,100	.....	799
1,889,162	62,192	65,383	12,822	131,245	1,118,406	35,565	87,608
4,702,908	119,804	120,877	626,489	244,576	2,328,519	83,286	232,829
1,408,500	3,200	.....	362,320	.....	159,613	.....	16,646
21,561	2,188	21	701	.....	5,866	39	529
76,262	410	900	44,689	250	29,865	294	1,447
1,506,323	5,798	921	407,710	250	195,344	333	18,622
1,889,162	62,192	65,383	12,822	131,245	1,118,406	35,565	87,608
.....
1,889,162	62,192	65,383	12,822	131,245	1,118,406	35,565	87,608
420,750	9,228	13,816	75,180	8,000	144,542	15,000	35,354
.....	.....	.....	.....	.....	37,909	.....	.....
886,673	42,586	40,757	130,777	105,081	832,318	32,388	91,245
1,307,423	51,814	54,573	205,957	113,081	1,014,769	47,388	126,599
4,702,908	119,804	120,877	626,489	244,576	2,328,519	83,286	232,829
1,625,485	26,837	35,328	262,236	63,311	556,013	21,629	62,008
12,737	127	624	7,364	4,715	26,999	566	242
1,638,222	26,964	35,952	269,600	68,026	583,012	22,195	62,250
1,025,004	16,298	24,907	159,466	45,787	344,571	14,959	38,174
.....
127,687	1,474	3,483	18,126	10,246	47,643	1,473	5,844
134,640	1,915	3,530	34,354	7,526	71,769	3,634	5,190
128,815	452	.....	38,135	.....	20,164	.....	3,551
87,385	1,577	2,519	13,894	3,360	30,357	1,085	4,407
.....
1,503,531	21,716	34,439	263,975	66,919	514,504	21,151	57,166
134,691	5,248	1,513	5,625	1,107	68,508	1,044	5,084
10,867	297	514	2,060	439	3,887	306	498

Municipal Electrical Utilities Financial

Municipality.....	Whitby	Warton	Williams- burg 340	Winchester	Windermere	Windsor
Population.....	13,620	2,034		1,400	108	113,550
A. BALANCE SHEETS						
FIXED ASSETS	\$	\$	\$	\$	\$	\$
Plant and facilities at cost.....	1,359,235	141,650	24,644	117,096	38,007	13,326,951
Accumulated depreciation.....	179,250	32,279	8,606	31,264	7,421	4,518,166
Net fixed assets.....	1,179,985	109,371	16,038	85,832	30,586	8,808,785
CURRENT ASSETS						
Cash on hand and in bank.....	15,910	12,002	4,825	27,247	2,771	208,453
Investment in government securities	10,000	15,000	5,000		4,800	1,962,836
Accounts receivable (Net).....	23,905	789	24	3,055	369	416,005
Total current assets.....	49,815	27,791	9,849	30,302	7,940	2,587,294
OTHER ASSETS						
Inventory of stores.....	24,079	840				241,907
Sinking fund on local debentures.....						
Miscellaneous.....		180		900		1,758
Total other assets.....	24,079	1,020		900		243,665
Equity in Ontario Hydro Systems....	520,870	115,192	29,734	113,419	15,532	13,104,454
	1,774,749	253,374	55,621	230,453	54,058	24,744,198
LIABILITIES						
Debentures outstanding.....	296,000					
Accounts payable.....	2,663	156		1,083	1,496	265,827
Other.....	41,243	167	444	10		183,193
Total liabilities.....	339,906	323	444	1,093	1,496	449,020
RESERVES						
Equity in Ontario Hydro Systems..	520,870	115,192	29,734	113,419	15,532	13,104,454
Other.....						262,846
Total reserves.....	520,870	115,192	29,734	113,419	15,532	13,367,300
CAPITAL						
Debentures redeemed.....	165,012	37,400	2,750	29,162	11,238	2,583,832
Local sinking fund.....						
Accumulated net income invested in plant or held as working funds..	748,961	100,459	22,693	86,779	25,792	8,344,046
Total capital.....	913,973	137,859	25,443	115,941	37,030	10,927,878
	1,774,749	253,374	55,621	230,453	54,058	24,744,198
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy.....	636,364	83,352	10,432	65,009	8,865	4,605,157
Other.....	15,476	1,852	643	209	272	115,573
Total revenue.....	651,840	85,204	11,075	65,218	9,137	4,720,730
EXPENSE						
Power purchased.....	397,339	55,592	9,210	48,701	5,711	2,780,346
Local generation.....						
Operation and maintenance.....	54,251	10,939	699	3,259	1,284	678,778
Administration.....	66,248	6,329	1,037	4,758	730	454,894
Fixed charges—interest and principal	49,617					10,171
—depreciation.....	28,686	3,530	762	3,475	1,061	353,074
—other.....						
Total expense.....	596,141	76,390	11,708	60,193	8,786	4,277,263
Net income or net expense.....	55,699	8,814	633	5,025	351	443,467
Number of customers.....	3,942	811	145	585	122	37,400

Statements for the Year Ended December 31, 1962

Wingham	Woodbridge	Woodstock	Woodville	Wyoming	York Twp.	Zurich	TOTAL
2,830	2,427	20,585	413	908	124,924	720	4,476,741
\$ 346,696 136,454	\$ 201,769 47,030	\$ 2,464,667 664,862	\$ 41,194 6,444	\$ 66,514 19,742	\$ 8,216,039 2,619,706	\$ 56,897 7,463	\$ 488,393,074 109,914,757
210,242	154,739	1,799,805	34,750	46,772	5,596,333	49,434	378,478,317
22,100	36,422	34,320	2,193	8,512	352,509	5,632	18,063,961
60,000	24,625	.....	.....	9,190	854,000	.....	16,984,376
518	3,256	23,373	533	2,886	238,731	180	15,807,380
82,618	64,303	57,693	2,726	20,588	1,445,240	5,812	50,855,717
13,182	.....	1,020	.....	130	114,897	89	9,742,156
.....	.....	.....	.....	.....	.....	.....	4,312,070
70	1,200	3,668	250	.....	3,135	1	2,715,626
13,252	1,200	4,688	250	130	118,032	90	16,769,852
229,506	207,598	1,989,339	33,822	43,566	5,020,444	58,418	305,826,987
535,618	427,840	3,851,525	71,548	111,056	12,180,049	113,754	751,930,873
.....	.....	16,931	.....	.....	.....	.....	83,167,367
939	1,975	8,513	.....	179	256,486	359	12,753,744
3,344	2,691	29,585	30	242	484,637	250	8,254,687
4,283	4,666	55,029	30	421	741,123	609	104,175,798
229,506	207,598	1,989,339	33,822	43,566	5,020,444	58,418	305,826,987
.....	.....	.....	.....	.....	.....	.....	2,481,991
229,506	207,598	1,989,339	33,822	43,566	5,020,444	58,418	308,308,978
81,155	23,835	412,272	5,248	9,700	489,375	5,592	88,386,510
.....	.....	.....	.....	.....	.....	.....	4,312,070
220,674	191,741	1,394,885	32,448	57,369	5,929,107	49,135	246,747,517
301,829	215,576	1,807,157	37,696	67,069	6,418,482	54,727	339,446,097
535,618	427,840	3,851,525	71,548	111,056	12,180,049	113,754	751,930,873
135,190	119,059	1,050,821	14,867	27,256	3,839,683	29,577	216,412,017
8,991	3,088	9,468	67	685	127,075	.....	4,439,792
144,181	122,147	1,060,289	14,934	27,941	3,966,758	29,577	220,851,809
98,064	87,461	707,554	6,396	18,073	2,387,513	19,124	139,291,682
2,647	.....	.....	.....	.....	.....	.....	570,500
11,347	5,131	119,695	2,328	2,801	380,275	2,454	20,760,837
12,821	10,193	77,104	1,134	2,152	503,879	2,478	18,482,105
.....	.....	17,999	.....	.....	.....	.....	8,912,277
8,383	5,727	58,835	1,124	2,030	223,097	1,492	11,655,654
.....	.....	.....	.....	.....	.....	.....	73,080
133,262	108,512	981,187	10,982	25,056	3,494,764	25,548	199,746,135
10,919	13,635	79,102	3,952	2,885	471,994	4,029	21,105,674
1,095	789	7,232	202	351	41,202	303	1,460,553

INTRODUCTION TO STATEMENT "C" AND STATEMENT "D"

STATEMENT "C"

Statement "C" is the schedule of resale rates for residential, commercial, and industrial power service in the municipal distribution systems receiving power from the Commission.

Description of Classes of Service

Under normal or basic residential service, charges are calculated on specified blocks of kilowatt-hours per month at designated rates for each block. The account rendered is subject to a minimum monthly charge and to a prompt payment discount of 10 per cent. For comparative purposes, net monthly bills are shown for metered energy consumptions of 250 and 500 kilowatt-hours per month. Water heating may be provided at a special flat-rate monthly charge, or, at the customer's option, it may be provided through the regular metered service. The flat-rate service in some municipalities is subject to peak-load control by the utility. House-heating load, where an area greater than 25 per cent of the total is being heated by electricity, may also be segregated from the normal service and be billed at a special house-heating rate. Otherwise it is billed at regular rates or, for all-electric installations, at a low all-electric rate if such a rate is locally in effect.

Commercial rates are applicable to all electrical service supplied to stores, offices, churches, schools, public buildings, institutions, hospitals, hotels, restaurants, service stations, and other premises used for commercial purposes. The commercial rates are also used for billing sign and display lighting. In many municipalities, commercial-type customers having connected loads of less than five kilowatts are billed at residential rates. Rates for industrial power service to customers of the municipal systems provide for 24-hour unrestricted delivery at secondary distribution voltage. These rates, however, are not applicable to the Commission's direct industrial customers.

Commercial and industrial power service accounts consist of a monthly demand rate (with a minimum for commercial service) applied to the customer's billing demand, plus energy charges for specified blocks of kilowatt-hours used, the size of the blocks varying in accordance with the customer's billing demand. All additional energy is billed at the end rate per kilowatt-hour. The accounts are subject to a prompt payment discount of 10 per cent. The net monthly bills shown for commercial and industrial power service are calculated on the basis of a demand of one kilowatt for a use per month of 200 and 300 hours. The corresponding bill for a demand of 10 kilowatts would be ten times the amounts shown, for 20 kilowatts twenty times the amounts shown, and so on.

STATEMENT "D"

Statement "D" records revenue, consumption, number of customers, average consumption per customer, and average cost per kilowatt-hour for each of the three main classes of service in all the municipal systems served. The revenue and consumption from house heating and the use of flat-rate water heaters are included in the totals shown, the flat-rate water-heater kilowatt-hours being estimated on the basis of 16.8 hours' use per day.

The average cost per kilowatt-hour is the average cost to the customer, that is the average revenue per kilowatt-hour received by the utility. Such a statistical average does not represent the utility's actual cost of delivering one kilowatt-hour. However, a comparison of this average over a number of years is some indication of the trend of cost in any one municipality, and the trend in all municipal systems combined may be seen in the table on page 156 and the graphs on page 157. Other things being equal, the average cost per kilowatt-hour would rise with an increase in rates. The normal trend, however, is for consumption per customer to increase, and residential customers in particular are using an ever-widening variety of electrical appliances, including flat-rate water heaters. This increased use, since it is billed at the low rates usually applicable to higher-consumption blocks of kilowatt-hours, is frequently reflected in a lower average cost per kilowatt-hour.

For industrial power service customers, the relationship between demand (kilowatts required) and energy (kilowatt-hours of use) is an important factor in establishing the customer's average cost per kilowatt-hour. The use of the demand for only a few hours will result in a relatively small total bill but a high average cost per kilowatt-hour; the use of the same demand for several hours will increase the total bill but substantially reduce the average cost per kilowatt-hour. In other words, the average cost per kilowatt-hour varies inversely with the customer's load factor.

RATES AND TYPICAL BILLS FOR in Effect

*Rates are quoted on a monthly basis and
and a minimum*

		Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE									
			■ House Heating per Kwh	● All-Electric Rate per Kwh	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh
	¢ No.	¢	¢	No.	¢	¢	¢	¢	\$	\$	\$	
Acton.....	41	1.5	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	
Ailsa Craig.....	45	1.5	...	50	2.6	1.3	0.8	1.1	1.39	3.51	5.31	
Ajax.....	37	1.2	1.1	50	3.4	1.7	...	1.0	1.70	4.59	6.84	
Alexandria.....	40	1.1	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81	
Alfred.....	42	1.5	...	50	3.2	1.6	0.9	1.3	1.11	4.32	6.34	
Alliston.....	40	1.1	...	60	3.1	...	...	1.0	1.11	3.38	5.63
Almonte.....	35	□	...	50	2.8	1.4	w0.8	1.1	1.40	3.78	6.25	
Alvinston.....	45	□	...	50	3.5	1.6	w0.8	1.1	1.39	4.45	6.93	
Amherstburg.....	38	□	...	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85	
Ancaster Twp. (incl. Ancaster).....	43 ..	□	...	60	4.2	...	...	1.2	1.11	4.32	7.02
Apple Hill.....	56 ..	..	...	60	4.0	...	...	1.0	1.39	3.87	6.12
Arkona.....	43 ..	1.5	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57	
Arnprior.....	37	1.2	...	50	2.6	1.3	...	0.8	1.39	3.51	5.31	
Arthur.....	42	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	
Athens.....	40 ..	1.1	...	50	2.0	1.0	0.7	1.0	0.83	2.70	4.27	
Atikokan Twp.....	40	1.5	...	50	3.2	1.6	1.0	1.4	1.39	4.32	6.57	
Aurora.....	37	..	1.1	50	3.0	1.5	0.8	1.1	1.50	4.05	5.85	
Avonmore.....	40	1.5	...	50	4.0	2.0	1.1	1.6	1.11	5.40	7.87	
Aylmer.....	36	1.1	...	50	2.2	1.1	0.7	1.0	0.83	2.97	4.54	
Ayr.....	44	1.1	...	60	2.9	...	...	1.0	1.11	3.28	5.53
Baden.....	40	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	
†Bala.....	41	1.39	...	50	4.4	2.2	1.2	1.6	1.67	5.94	8.64	
Bancroft.....	53 ..	□	...	60	3.5	...	...	1.3	1.39	4.11	7.04
Barrie.....	39	1.1	...	60	2.4	...	...	1.0	0.83	3.01	5.26
Barry's Bay.....	42	1.1	...	50	2.6	1.3	0.7	1.0	1.67	3.51	5.08	
Bath.....	39	□	...	60	3.5	...	...	1.2	1.67	3.94	6.64
Beachburg.....	39	1.1	...	50	4.0	2.0	1.1	1.6	1.39	5.40	7.87	
Beachville.....	42	1.5	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	
Beamsville.....	41	⊖	1.1	60	2.7	...	...	1.2	0.83	3.51	6.21
†Beardmore.....	45	1.5	...	50	4.0	2.0	1.2	1.6	1.67	5.40	8.10	
Beaverton.....	40	□	...	50	2.6	1.3	0.7	1.1	1.39	3.51	5.08	
Beeton.....	45	□	...	50	3.2	1.6	0.9	1.3	1.39	4.32	6.34	
Belle River.....	42	1.5	...	50	3.6	1.8	1.1	1.5	1.39	4.86	7.33	
Belleville.....	35	1.2	1.1	50	2.0	...	...	1.0	1.11	2.70	4.95
Blenheim.....	44	1.1	...	50	3.0	1.5	...	0.9	1.11	4.05	6.07	
†Blind River.....	45	1.39	...	50	3.8	1.9	...	1.1	1.39	5.13	7.60	
Bloomfield.....	42	1.5	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	
Blyth.....	45	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	
Bobcaygeon.....	40	□	...	60	3.4	...	...	1.2	1.67	3.89	6.59
Bolton.....	45	1.5	...	50	3.6	1.8	1.1	1.5	1.11	4.86	7.33	

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
For explanatory notes and water-heating schedules see pages 232 to 235.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1962

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand			200 Hours	300 Hours		First Block Hours' Use 50 100	Second Block Hours' Use 50 100	All Addi- tional Hours	200 Hours	300 Hours		
		First 100 Hours	Next 100 Hours	All Addi- tional Hours										
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
...	...	2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	1.5	2.4	0.8	0.5	3.33	3.78	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	...	2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	2.6	...	1.0	3.69	4.59	1.20	1.9	..	1.3	..	0.30	2.79	3.06
1.1	...	2.0	0.8	0.5	2.97	3.42	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	...	3.2	0.8	0.5	4.05	4.50	1.00	..	2.7	..	0.5	0.33	3.78	4.08
1.2	...	2.8	0.8	0.5	3.69	4.14	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.2	...	3.6	...	1.0	4.59	5.49	1.35	2.9	..	1.9	..	0.33	3.67	3.97
...	...	3.5	...	1.0	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	...	2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.0	...	2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	1.5	0.8	0.5	2.52	2.97	1.00	..	1.0	..	0.5	0.33	2.25	2.55
1.5	...	3.0	0.8	0.5	3.87	4.32	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	3.0	0.8	0.5	3.87	4.32	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.0	...	1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	...	2.4	...	0.9	3.42	4.23	1.20	2.1	..	1.4	..	0.30	2.92	3.19
...	...	2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.6	1.5	4.2	0.8	0.5	4.95	5.40	1.00	..	2.7	..	0.5	0.33	3.78	4.08
...	...	3.0	...	1.2	4.23	5.31	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.0	...	2.0	...	0.8	2.97	3.69	1.00	1.4	..	0.9	..	0.25	2.16	2.38
...	1.5	1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	...	3.0	...	1.2	4.23	5.31	1.35	3.5	..	2.3	..	0.33	4.12	4.42
...	1.5	3.1	0.8	0.5	3.96	4.41	1.00	..	2.6	..	0.5	0.33	3.69	3.99
...	...	2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	2.3	...	1.1	3.51	4.50	1.20	1.9	..	1.3	..	0.30	2.79	3.06
1.6	1.5	3.8	0.8	0.5	4.59	5.04	1.00	..	2.9	..	0.5	0.33	3.96	4.26
...	...	2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	3.0	0.8	0.5	3.87	4.32	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	...	1.8	0.8	0.5	2.79	3.24	1.00	..	1.2	..	0.5	0.33	2.43	2.73
1.0	1.5	1.8	0.8	0.5	2.79	3.24	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.2	...	2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	...	2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	1.5	3.6	0.8	0.5	4.41	4.86	1.00	..	2.7	..	0.5	0.33	3.78	4.08
...	...	2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	2.9	...	1.0	3.96	4.86	1.35	2.3	..	1.5	..	0.33	3.22	3.52
1.2	...	3.0	0.8	0.5	3.87	4.32	1.00	..	2.1	..	0.5	0.33	3.24	3.54

RATES AND TYPICAL BILLS FOR in Effect

*Rates are quoted on a monthly basis and
and a minimum*

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE									
		■ House Heating per Kwh	● All-Electric Rate per Kwh	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh
	☞ No.	¢	¢	No.	¢	¢	¢	¢	\$	\$	\$
Bothwell	45	□	...	50	2.6	1.3	w0.7	1.1	0.83	3.51	5.98
Bowmanville.....	35	1.5	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81
Bracebridge.....	39	□	...	60	3.0	...	...	1.2	0.83	3.67	6.37
Bradford.....	40	1.5	...	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58
Braeside.....	36	1.5	...	50	2.6	1.3	...	1.1	0.83	3.51	5.98
Brampton.....	37	..	1.1	50	3.2	1.6	w0.7	1.1	2.78	4.32	6.79
Brantford.....	41	□	...	60	2.2	...	...	1.2	0.83	3.24	5.94
§§ Brantford Twp.....	42	⊖	...	50	4.0	2.0	...	1.2	1.67	5.40	8.10
Brechin.....	40	1.5	...	50	2.2	1.1	0.7	1.0	1.11	2.97	4.54
Bridgeport.....	40	1.5	...	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07
Brigden.....	45	1.5	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08
Brighton.....	39	1.5	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08
Brockville.....	38	1.1	1.1	50	2.9	1.4	w0.8	1.1	1.45	3.82	6.30
Brussels.....	45	□	1.2	50	3.2	1.6	0.9	1.3	1.39	4.32	6.34
Burford.....	43	⊖	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Burgessville.....	43	1.5	...	60	4.0	...	...	1.0	1.11	3.87	6.12
Burk's Falls.....	45	□	...	50	3.4	1.7	1.0	1.4	1.67	4.59	6.84
§ Burlington.....	42	1.5	...	50	4.0	2.0	1.2	1.6	1.39	5.40	8.10
Cache Bay.....	43	1.5	...	50	3.6	1.8	1.1	1.5	1.39	4.86	7.33
Caledonia.....	43	1.5	...	60	2.4	...	...	1.2	1.11	3.35	6.05
Campbellford.....	38	1.1	...	50	2.6	1.3	0.7	1.0	1.67	3.51	5.08
Campbellville.....	45	..	...	60	3.0	...	...	1.3	1.11	3.84	6.77
Cannington.....	48	1.1	...	60	3.2	...	...	1.0	1.11	3.44	5.69
Capreol.....	43	□	...	60	3.5	...	...	1.3	1.39	4.11	7.04
Cardinal.....	40	1.5	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Carleton Place.....	39	1.1	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57
Casselman.....	41	1.2	...	50	3.4	1.7	...	1.0	1.11	4.59	6.84
Cayuga.....	42	1.2	...	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58
Chalk River.....	38	□	...	50	2.6	1.3	0.8	1.1	1.39	3.51	5.31
Chapleau Twp.....	..	..	...	60	9.0	...	...	4.0	2.78	11.70	20.70
Chatham.....	41	⊖	...	60	3.8	...	...	1.4	1.11	4.45	7.60
Chatsworth.....	46	1.1	...	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58
Chesley.....	41	1.3	...	60	2.7	...	...	1.0	1.11	3.17	5.42
Chesterville.....	41	1.5	...	50	2.6	1.3	...	0.8	1.39	3.51	5.31
Chippawa.....	40	1.5	...	60	3.1	...	...	1.4	1.11	4.07	7.22
Clifford.....	45	1.5	...	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07
Clinton.....	41	□	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
†Cobalt.....	42	1.39	...	50	4.0	2.0	...	1.1	1.39	5.40	7.87
Cobden.....	36	1.1	...	50	2.0	1.0	0.7	1.0	1.67	2.70	4.27
Cobourg.....	41	⊖	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
For explanatory notes and water-heating schedules see pages 232 to 235.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1962

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE								
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand						Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand													
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		First Block Hours' Use 50 100	Second Block Hours' Use 50 100	All Addi- tional Hours	200 Hours	300 Hours			
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	¢	\$	
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	...	°1.7	0.8	0.5	2.70	3.15	1.00	..	1.2	..	0.5	0.33	2.43	2.73	
1.2	...	2.0	...	1.0	3.15	4.05	1.20	1.4	..	0.9	..	0.30	2.38	2.65	
1.1	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	...	1.8	...	0.7	2.70	3.33	1.20	1.4	..	0.9	..	0.30	2.38	2.65	
1.2	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63	
...	...	°1.7	0.8	0.5	2.70	3.15	1.00	..	1.2	..	0.5	0.33	2.43	2.73	
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.6	..	0.5	0.33	2.79	3.09	
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45	
1.0	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.5	..	0.5	0.33	2.70	3.00	
1.1	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.2	..	0.5	0.33	2.43	2.73	
...	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72	
1.2	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	...	3.5	...	0.8	4.32	5.04	1.35	2.9	..	1.9	..	0.33	3.67	3.97	
1.4	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72	
1.6	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63	
...	...	°3.5	0.8	0.5	4.32	4.77	1.00	..	3.0	..	0.5	0.33	4.05	4.35	
...	...	1.9	...	1.1	3.15	4.14	1.35	2.3	..	1.5	..	0.33	3.22	3.52	
...	...	°1.6	0.8	0.5	2.61	3.06	1.00	..	1.1	..	0.5	0.33	2.34	2.64	
...	...	2.8	...	1.1	3.96	4.95	1.35	3.5	..	2.3	..	0.33	4.12	4.42	
...	...	2.8	...	0.9	3.78	4.59	1.35	2.2	..	1.4	..	0.33	3.13	3.43	
...	...	3.0	...	1.1	4.14	5.13	1.35	2.9	..	1.9	..	0.33	3.67	3.97	
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63	
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54	
...	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.4	..	0.5	0.33	2.61	2.91	
...	...	8.5	...	4.0	11.70	15.30	1.35	5.7	..	3.8	..	2.00	7.29	9.09	
1.4	...	3.3	...	1.2	4.50	5.58	1.35	2.0	..	1.3	..	0.40	3.00	3.29	
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45	
...	...	2.3	...	1.0	3.42	4.32	1.20	1.9	..	1.3	..	0.30	2.79	3.06	
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	...	2.6	...	1.3	3.96	5.13	1.20	1.9	..	1.3	..	0.30	2.79	3.06	
1.2	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63	
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45	
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81	
...	...	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82	
1.1	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.2	..	0.5	0.33	2.43	2.73	

RATES AND TYPICAL BILLS FOR in Effect

*Rates are quoted on a monthly basis and
and a minimum*

		Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE									
			■ House Heating per Kwh	● All-Electric Rate per Kwh	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh
¢	No.	¢	¢	No.	¢	¢	¢	¢	\$	\$	\$	
Cochrane.....	35	1.2	1.2	60	3.4	...	...	1.5	1.11	4.40	7.78
Colborne.....	43	1.5	...	60	3.8	...	...	1.0	0.83	3.76	6.01
Coldwater.....	40	1.1	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08	
Collingwood.....	41	□	...	50	2.4	1.2	0.7	1.1	1.11	3.24	4.81	
Comber.....	45	1.2	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	
Coniston.....	42	⊖	...	50	3.2	1.6	1.0	1.2	1.11	4.32	6.57	
Cookstown.....	45	⊖	...	50	2.6	1.3	0.8	1.1	1.39	3.51	5.31	
Cottam.....	41	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	
Courtright.....	45	...	1.1	50	3.2	1.6	w0.8	1.1	1.11	4.32	6.79	
Creemore.....	44	1.1	...	50	3.1	...	...	1.0	1.39	3.19	5.44
Dashwood.....	45	1.2	1.2	50	3.6	1.8	1.1	1.5	1.11	4.86	7.33	
Deep River.....	40	1.1	...	50	3.4	1.7	...	0.9	1.67	4.59	6.61	
Delaware.....	44	1.2	...	60	3.8	...	...	1.4	1.11	4.45	7.60
Delhi.....	43	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	
Deseronto.....	40	1.1	...	50	2.6	1.3	0.7	1.0	0.83	3.51	5.08	
Dorchester.....	43	□	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	
Drayton.....	44	□	1.2	50	3.4	1.7	1.0	1.4	1.11	4.59	6.84	
Dresden.....	44	□	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	
Drumbo.....	45	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	
Dryden.....	35	□	...	50	3.8	1.9	...	1.1	1.90	5.13	7.60	
Dublin.....	43	1.5	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	
Dundalk.....	44	1.1	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	
Dundas.....	43	...	1.1	50	3.6	1.8	w0.8	1.1	1.80	4.86	7.33	
Dunnville.....	45	1.1	...	50	2.8	1.4	...	0.9	0.83	3.78	5.80	
Durham.....	41	1.3	...	60	2.7	...	...	1.1	1.11	3.34	5.81
Dutton.....	47	1.1	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	
East York Twp.....	37	1.5	...	50	2.6	1.3	0.8	1.1	0.83	3.51	5.31	
Eganville.....	42	1.5	...	60	4.3	...	...	1.1	1.11	4.20	6.68
†Elk Lake Townsite.....	42	1.39	...	50	3.6	1.8	...	1.1	1.39	4.86	7.33	
Elmira.....	45	□	1.1	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85	
Elmvale.....	40	1.1	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	
Elmwood.....	39	1.1	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08	
Elora.....	44	1.5	...	60	3.2	...	...	1.4	1.11	4.12	7.27
Embro.....	44	1.5	...	60	3.3	...	...	1.1	0.83	3.66	6.14
†Englehart.....	42	1.39	...	50	4.0	2.0	...	1.1	1.39	5.40	7.87	
Erieau.....	45	1.2	...	50	2.8	1.4	...	0.8	1.11	3.78	5.58	
Erie Beach.....	45	1.5	...	50	4.0	2.0	...	1.1	2.78	5.40	7.87	
Erin.....	40	□	...	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85	
Espanola.....	40	□	...	50	3.8	1.9	...	1.1	1.11	5.13	7.60	
Essex.....	43	□	1.2	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85	

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
For explanatory notes and water-heating schedules see pages 232 to 235.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1962

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE								
Commercial Cooking per Kw	Space Heating per Kw (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kw for Use of Each Kw of Demand						Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kw for Use of Each Kw of Demand						First Block Hours' Use 50 100	Second Block Hours' Use 50 100	All Addi- tional Hours					
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours					200 Hours	300 Hours			
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	
...	...	2.9	...	1.4	4.32	5.58	1.35	2.3	..	1.5	..	0.33	3.22	3.52	
...	...	3.0	...	1.0	4.05	4.95	1.35	2.8	..	1.8	..	0.33	3.58	3.88	
...	...	2.1	0.8	0.5	3.06	3.51	1.00	...	1.6	..	0.5	0.33	2.79	3.09	
...	...	1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82	
...	...	2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63	
1.2	...	2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45	
...	...	2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	1.5	2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72	
...	...	2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72	
...	...	2.6	...	0.9	3.60	4.41	1.20	1.6	..	1.0	..	0.30	2.52	2.79	
...	1.5	3.1	0.8	0.5	3.96	4.41	1.00	..	2.4	..	0.5	0.33	3.51	3.81	
...	1.5	2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45	
...	...	3.4	...	1.4	4.77	6.03	1.35	3.1	..	2.0	..	0.33	3.81	4.10	
1.1	...	2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	...	2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09	
...	...	2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54	
...	...	2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63	
...	...	2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72	
...	...	2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63	
...	1.5	3.1	0.8	0.5	3.96	4.41	1.00	..	2.4	..	0.5	0.33	3.51	3.81	
...	...	2.7	0.8	0.5	3.60	4.05	1.00	..	2.6	..	0.5	0.33	3.69	3.99	
...	...	2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	1.5	2.7	0.8	0.5	3.60	4.05	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
1.1	...	2.5	0.8	0.5	3.42	3.87	1.00	..	1.9	..	0.5	0.33	3.06	3.36	
...	...	2.4	...	1.0	3.51	4.41	1.35	2.2	..	1.4	..	0.33	3.13	3.43	
...	...	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45	
...	...	2.0	0.8	0.5	2.97	3.42	1.00	..	1.3	..	0.5	0.33	2.52	2.82	
...	...	3.8	...	1.0	4.77	5.67	1.35	2.5	..	1.6	..	0.33	3.36	3.65	
...	1.5	3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81	
1.1	...	2.7	...	0.7	3.51	4.14	1.35	3.1	..	2.0	..	0.33	3.81	4.10	
1.2	...	2.8	0.8	0.5	3.69	4.14	1.00	..	1.9	..	0.5	0.33	3.06	3.36	
...	...	2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09	
...	...	2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	...	2.8	...	1.4	4.23	5.49	1.35	2.0	..	1.3	..	0.33	3.00	3.29	
1.1	...	2.7	...	0.7	3.51	4.14	1.35	3.1	..	2.0	..	0.33	3.81	4.10	
1.1	1.5	3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81	
...	...	2.8	0.8	0.5	3.69	4.14	1.00	..	2.5	..	0.5	0.33	3.60	3.90	
1.1	...	3.5	0.8	0.5	4.32	4.77	1.00	..	2.6	..	0.5	0.33	3.69	3.99	
...	...	2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
1.2	...	2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	1.5	2.8	0.8	0.5	3.69	4.14	1.00	..	1.8	..	0.5	0.33	3.15	3.45	
...	1.5	2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45	

RATES AND TYPICAL BILLS FOR in Effect

*Rates are quoted on a monthly basis and
and a minimum*

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE									
		■ House Heating per Kwh	● All-Electric Rate per Kwh	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh
	¢ No.	¢	¢	No.	¢	¢	¢	¢	\$	\$	\$
Etobicoke Twp. (incl. Thistletown)....	.. 40	1.2	...	60	4.0	...	...	1.0	1.25	3.87	6.12
Exeter.....	.. 45	1.3	...	60	3.0	...	...	1.3	1.11	3.84	6.77
Fergus.....	.. 41	□	1.1	60	3.3	...	...	1.3	1.11	4.00	6.93
Finch.....	.. 42	1.5	...	50	3.0	1.5	0.8	1.2	1.95	4.05	5.85
Flesherton.....	37 ..	1.5	...	50	2.0	1.0	0.7	1.0	1.11	2.70	4.27
Fonthill.....	.. 41	1.2	...	60	3.0	...	...	1.3	0.83	3.84	6.77
Forest.....	.. 41	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Forest Hill.....	.. 37	1.5	...	50	3.0	1.5	0.8	1.2	0.83	4.05	5.85
Fort William.....	.. 31	..	1.11	60	2.0	...	...	0.8	0.83	2.45	4.25
Frankford.....	.. 36	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Galt.....	.. 36	□	...	60	3.0	...	...	1.1	0.83	3.50	5.98
Georgetown.....	.. 39	1.5	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Glen Williams.....	.. 39	1.5	...	50	3.2	1.6	0.9	1.3	1.11	4.32	6.34
†Geraldton.....	.. 45	1.5	...	50	4.0	2.0	1.2	1.6	1.67	5.40	8.10
Glencoe.....	.. 45	1.1	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81
Goderich.....	.. 42	□	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85
†Gogama.....	.. 45	1.5	...	50	7.0	3.5	...	1.6	2.78	9.45	13.05
Grand Bend.....	.. 42	1.35	...	50	4.0	2.0	...	1.4	2.50	5.40	8.55
Grand Valley.....	50 ..	□	...	60	3.0	...	...	1.2	1.11	3.67	6.37
Granton.....	50 ..	...	...	60	3.9	...	...	1.4	1.11	4.50	7.65
Gravenhurst.....	40 ..	1.5	...	50	2.0	1.0	0.7	1.0	1.11	2.70	4.27
Grimsby.....	.. 43	1.1	...	50	3.2	1.6	...	1.0	1.39	4.32	6.57
Guelph.....	.. 34	□	...	50	3.6	1.8	1.0	1.1	1.67	4.86	7.11
Hagersville.....	.. 41	□	...	60	2.8	...	...	1.1	0.83	3.39	5.87
†Haileybury.....	.. 42	1.39	...	50	4.0	2.0	...	1.1	1.39	5.40	7.87
Hamilton.....	.. 40	□	...	60	2.6	...	...	1.0	0.83	3.11	5.36
Hanover.....	.. 38	1.1	...	60	2.2	...	...	1.0	0.83	2.90	5.15
Harriston.....	.. 39	□	1.1	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07
Harrow.....	.. 38	□	1.1	50	3.0	1.5	0.9	1.2	0.83	4.05	6.07
Hastings.....	.. 38	1.5	...	50	2.4	1.2	0.7	1.0	2.22	3.24	4.81
Havelock.....	.. 40	□	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Hawkesbury.....	.. 36	1.5	...	50	3.4	1.7	0.9	1.4	1.11	4.59	6.61
Hearst.....	.. 55	1.5	...	50	4.6	2.3	1.3	1.6	1.67	6.21	9.13
Hensall.....	.. 45	1.5	...	60	3.2	...	...	1.0	0.83	3.44	5.69
†Hepworth.....	.. 45	1.39	...	50	3.6	1.8	1.1	1.5	1.67	4.86	7.33
Hespeler.....	.. 42	□	...	60	3.2	...	...	1.1	0.83	3.61	6.08
Highgate.....	.. 45	1.2	...	60	3.2	...	...	0.9	0.83	3.27	5.29
Holstein.....	.. 41	1.5	...	60	3.0	...	...	1.0	1.11	3.33	5.58
†Hornepayne.....	.. 60	⊖	...	50	8.0	2.0	...	1.5	2.78	7.20	10.57
†Hudson Townsite.....	.. 45	1.5	...	50	4.4	2.2	1.2	1.6	1.67	5.94	8.64
Huntsville.....	.. 41	□	...	60	2.4	1.2	1.11	3.35	6.05

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MUNICIPAL ELECTRICAL SERVICE

December 31, 1962

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block			Second Block				All Addi- tional Hours
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		Hours' Use 50 100	Hours' Use 50 100	Hours' Use 50 100	200 Hours	300 Hours		
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
...	...	2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	2.6	...	0.8	3.51	4.23	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.3	...	2.8	...	1.1	3.96	4.95	1.35	2.2	..	1.4	..	0.33	3.13	3.43
...	...	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	1.6	0.8	0.5	2.61	3.06	1.00	..	1.0	..	0.5	0.33	2.25	2.55
1.3	...	2.5	...	1.2	3.78	4.86	1.35	2.5	..	1.6	..	0.33	3.36	3.65
1.1	...	2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	1.8	0.8	0.5	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.52	2.82
0.8	...	1.9	...	0.4	2.52	2.88	1.00	1.4	..	0.9	..	0.25	2.16	2.38
1.1	...	1.8	0.8	0.5	2.79	3.24	1.00	..	1.1	..	0.5	0.33	2.34	2.64
1.1	1.5	2.5	...	1.0	3.60	4.50	1.20	1.6	..	1.0	..	0.30	2.52	2.79
1.1	...	2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.6	1.5	3.8	0.8	0.5	4.59	5.04	1.00	..	2.9	..	0.5	0.33	3.96	4.26
...	...	2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	...	2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.6	1.5	5.8	0.8	0.5	6.39	6.84	1.00	..	5.1	..	0.5	0.33	5.94	6.24
1.4	...	3.8	0.8	0.5	4.59	5.04	1.00	..	2.8	..	0.5	0.33	3.87	4.17
...	...	2.5	...	1.2	3.78	4.86	1.20	2.1	..	1.4	..	0.30	2.92	3.19
...	...	3.4	...	1.3	4.68	5.85	1.35	2.6	..	1.7	..	0.33	3.45	3.74
1.0	...	1.6	0.8	0.5	2.61	3.06	1.00	..	1.1	..	0.5	0.33	2.34	2.64
1.0	1.5	2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	...	2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	...	2.3	...	0.9	3.33	4.14	1.20	1.7	..	1.2	..	0.30	2.65	2.92
1.1	1.5	3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	1.8	0.7	0.6	2.70	3.24	1.00	..	1.0	..	0.5	0.33	2.25	2.55
...	...	1.7	...	1.0	2.88	3.78	1.00	1.5	..	0.9	..	0.30	2.25	2.52
1.2	...	2.8	0.8	0.5	3.69	4.14	1.00	..	2.1	..	0.5	0.33	3.24	3.54
1.2	1.5	2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.0	...	2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.2	...	2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	3.2	0.8	0.5	4.05	4.50	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.6	...	3.9	0.8	0.5	4.68	5.13	1.00	..	3.2	..	0.5	0.33	4.23	4.53
...	...	2.7	...	0.9	3.69	4.50	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.5	1.5	3.2	0.8	0.5	4.05	4.50	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	2.6	...	0.9	3.60	4.41	1.20	1.6	..	1.0	..	0.33	2.55	2.84
...	...	2.8	...	0.7	3.60	4.23	1.35	2.6	..	1.7	..	0.33	3.45	3.74
...	...	2.5	...	0.8	3.42	4.14	1.35	3.5	..	2.3	..	0.33	4.12	4.42
1.5	1.5	6.0	0.8	0.5	6.57	7.02	1.00	..	4.3	..	0.5	0.33	5.22	5.52
1.6	1.5	3.9	0.8	0.5	4.68	5.13	1.00	..	3.4	..	0.5	0.33	4.41	4.71
1.2	...	2.2	...	1.1	3.42	4.41	1.20	1.6	..	1.0	..	0.30	2.52	2.79

RATES AND TYPICAL BILLS FOR in Effect

*Rates are quoted on a monthly basis and
and a minimum*

	Flat-Rate Water Heating per 100 Watts or Schedule Number		RESIDENTIAL SERVICE									
			■ House Heating per Kwh	● All-Electric Rate per Kwh	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh
	¢ No.	¢	¢	No.	¢	¢	¢	¢	\$	\$	\$	
Ingersoll.....	43	1.5	...	60	3.4	...	...	1.3	1.11	4.06	6.98
Iroquois.....	40	1.5	...	50	2.8	1.4	...	1.0	1.67	3.78	6.03	
Jarvis.....	45	□	...	50	3.2	1.6	0.9	1.3	0.83	4.32	6.34	
†Jellicoe Townsite.....	45	1.5	...	50	4.4	2.2	1.2	1.6	1.67	5.94	8.64	
Kapuskasing.....	35	□	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	
†Kearns Townsite.....	45	1.39	...	50	3.6	1.8	...	1.1	1.39	4.86	7.33	
Kemptville.....	40	1.2	...	50	3.0	1.5	...	0.9	1.67	4.05	6.07	
Killaloe Station.....	42	1.1	...	50	4.2	2.1	1.2	1.6	1.39	5.67	8.37	
Kincardine.....	43	□	...	50	2.4	1.2	0.7	1.1	1.11	3.24	4.81	
King City.....	42	□	...	50	4.8	2.4	w0.8	1.2	2.40	6.48	9.18	
†King Kirkland Townsite.....	42	1.39	...	50	3.6	1.8	...	1.1	1.39	4.86	7.33	
Kingston.....	38	*1.35	...	50	2.2	1.1	...	1.0	1.11	2.97	5.22	
Kingsville.....	40	...	1.1	50	2.4	1.2	0.7	1.0	0.83	3.24	4.81	
Kirkfield.....	45	1.5	...	50	3.2	1.6	1.0	1.4	1.67	4.32	6.57	
†Kirkland Lake (incl. Swastika).....	42	1.39	...	50	3.6	1.8	...	1.1	1.39	4.86	7.33	
Kitchener.....	39	□	...	50	2.6	1.3	...	1.1	1.30	3.51	5.98	
Lakefield.....	34	1.1	...	55	2.8	...	...	1.0	0.83	3.14	5.39
Lambeth.....	43	1.2	1.2	50	3.5	1.7	w0.8	1.3	1.75	4.63	7.56	
Lanark.....	39	1.5	...	50	2.2	1.1	0.7	1.0	0.83	2.97	4.54	
Lancaster.....	40	..	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	7.06	
Larder Lake Twp.....	43	1.5	...	60	3.5	...	...	1.1	1.11	3.77	6.25
Latchford.....	43	1.5	...	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85	
Leamington.....	41	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	
Lindsay.....	41	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	
Listowel.....	41	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	
§London.....	38	1.1	...	50	3.0	1.5	...	1.0	1.39	4.05	6.30	
Long Branch.....	41	1.5	...	60	3.1	...	...	1.2	1.67	3.73	6.43
L'Orignal.....	40	□	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	7.06	
Lucan.....	45	1.2	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57	
Lucknow.....	45	1.5	...	55	2.7	...	...	1.0	1.39	3.10	5.35
Lynden.....	43	1.5	...	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85	
Madoc.....	40	1.2	1.1	50	2.4	1.2	0.7	1.0	0.83	3.24	4.81	
Magnetawan.....	45	1.5	...	50	4.2	2.1	1.2	1.6	2.22	5.67	8.37	
Markdale.....	45	1.5	...	60	2.5	...	...	1.0	1.11	3.06	5.31
Markham.....	44	1.5	...	50	3.2	1.6	1.0	1.4	1.67	4.32	6.57	
Marmora.....	43	□	...	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58	
Martintown.....	38	1.5	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	
Massey.....	45	1.2	...	50	5.0	2.5	1.4	1.6	1.67	6.75	9.90	
†Matachewan Twp.....	45	1.39	...	50	3.6	1.8	...	1.1	1.39	4.86	7.33	
†Matheson.....	45	1.39	...	50	3.4	1.7	...	1.1	1.39	4.59	7.06	

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Residential electric heating 1.35¢ gross for all monthly consumption over 1,250 kwh per month where total load is on one meter.

For explanatory notes and water-heating schedules see pages 232 to 235.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1962

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per KwH	Space Heating per KwH (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per KwH for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per KwH for Use of Each Kw of Demand												
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		First Block Hours' Use 50 100	Second Block Hours' Use 50 100	All Addi- tional Hours	200 Hours	300 Hours		
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1.3	...	2.8	...	0.8	3.69	4.41	1.20	1.9	...	1.3	...	0.30	2.79	3.06
...	...	2.3	0.8	0.5	3.24	3.69	1.00	...	1.8	...	0.5	0.33	2.97	3.27
...	...	2.8	0.8	0.5	3.69	4.14	1.00	...	2.3	...	0.5	0.33	3.42	3.72
1.6	1.5	3.9	0.8	0.5	4.68	5.13	1.00	...	3.4	...	0.5	0.33	4.41	4.71
1.2	...	2.7	0.8	0.5	3.60	4.05	1.00	...	2.0	...	0.5	0.33	3.15	3.45
...
1.1	1.5	3.0	0.8	0.5	3.87	4.32	1.00	...	2.4	...	0.5	0.33	3.51	3.81
...	...	2.6	0.8	0.5	3.51	3.96	1.00	...	1.9	...	0.5	0.33	3.06	3.36
...	1.5	3.0	0.8	0.5	3.87	4.32	1.00	...	2.1	...	0.5	0.33	3.24	3.54
1.1	...	2.4	0.8	0.5	3.33	3.78	1.00	...	1.9	...	0.5	0.33	3.06	3.36
...	...	3.5	0.8	0.5	4.32	4.77	1.00	...	2.5	...	0.5	0.33	3.60	3.90
...
1.1	1.5	3.0	0.8	0.5	3.87	4.32	1.00	...	2.4	...	0.5	0.33	3.51	3.81
...	...	1.7	...	0.9	2.79	3.60	1.00	...	1.2	...	0.5	0.33	2.43	2.73
...	...	2.2	0.8	0.5	3.15	3.60	1.00	...	1.7	...	0.5	0.33	2.88	3.18
...	...	3.0	0.8	0.5	3.87	4.32	1.00	...	2.4	...	0.5	0.33	3.51	3.81
...
1.1	1.5	3.0	0.8	0.5	3.87	4.32	1.00	...	2.4	...	0.5	0.33	3.51	3.81
...	...	2.3	0.8	0.5	3.24	3.69	1.00	...	1.7	...	0.5	0.33	2.88	3.18
...	...	2.4	...	0.8	3.33	4.05	1.20	1.7	...	1.2	...	0.30	2.65	2.92
...	...	3.1	0.8	0.5	3.96	4.41	1.00	...	2.6	...	0.5	0.33	3.69	3.99
...	...	1.9	0.8	0.5	2.88	3.33	1.00	...	1.4	...	0.5	0.33	2.61	2.91
...	...	2.8	0.8	0.5	3.69	4.14	1.00	...	2.3	...	0.5	0.33	3.42	3.72
...
...	...	3.0	...	1.0	4.05	4.95	1.35	3.1	...	2.0	...	0.33	3.81	4.10
...	...	2.5	0.8	0.5	3.42	3.87	1.00	...	1.7	...	0.5	0.33	2.88	3.18
...	...	2.5	0.8	0.5	3.42	3.87	1.00	...	2.0	...	0.5	0.33	3.15	3.45
1.1	1.5	2.2	0.8	0.5	3.15	3.60	1.00	...	1.5	...	0.5	0.33	2.70	3.00
...	...	2.2	0.8	0.5	3.15	3.60	1.00	...	1.5	...	0.5	0.33	2.70	3.00
...	1.5	2.4	0.8	0.5	3.33	3.78	1.00	...	1.8	...	0.5	0.33	2.97	3.27
...
...	...	2.2	0.8	0.5	3.15	3.60	1.00	...	1.5	...	0.5	0.33	2.70	3.00
...	...	2.3	0.8	0.5	3.24	3.69	1.00	...	1.7	...	0.5	0.33	2.88	3.18
...	1.5	2.5	0.8	0.5	3.42	3.87	1.00	...	1.7	...	0.5	0.33	2.88	3.18
...	...	2.7	0.8	0.5	3.60	4.05	1.00	...	2.0	...	0.5	0.33	3.15	3.45
...	...	2.2	...	0.8	3.15	3.87	1.35	2.8	...	1.8	...	0.33	3.58	3.88
...
...	...	2.6	0.8	0.5	3.51	3.96	1.00	...	2.0	...	0.5	0.33	3.15	3.45
...	...	2.3	0.8	0.5	3.24	3.69	1.00	...	1.8	...	0.5	0.33	2.97	3.27
1.0	...	3.7	0.8	0.5	4.50	4.95	1.00	...	2.8	...	0.5	0.33	3.87	4.17
...	...	2.0	...	1.0	3.15	4.05	1.20	1.9	...	1.3	...	0.30	2.79	3.06
...	...	2.7	0.8	0.5	3.60	4.05	1.00	...	2.1	...	0.5	0.33	3.24	3.54
...
...	...	2.0	...	...	...	...	1.00	...	2.0	...	0.5	0.33	3.15	3.45
...	...	2.6	0.8	0.5	3.51	3.96	1.00	...	1.7	...	0.5	0.33	2.88	3.18
1.1	...	2.3	0.8	0.5	3.24	3.69	1.00	...	1.7	...	0.5	0.33	2.88	3.18
...	...	4.4	0.8	0.5	5.13	5.58	1.00	...	3.1	...	0.5	0.33	4.14	4.44
...	...	3.0	0.8	0.5	3.87	4.32	1.00	...	2.4	...	0.5	0.33	3.51	3.81
1.1	1.5	3.0	0.8	0.5	3.87	4.32	1.00	...	2.4	...	0.5	0.33	3.51	3.81
1.1	1.5	3.3	0.8	0.5	4.14	4.59	1.00	...	2.4	...	0.5	0.33	3.51	3.81

RATES AND TYPICAL BILLS FOR in Effect

*Rates are quoted on a monthly basis and
and a minimum*

		Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE									
			■ House Heating per Kwh	● All-Electric Rate per Kwh	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh
No.	¢	¢	No.	¢	¢	¢	¢	\$	\$	\$		
Mattawa.....	45	1.39	...	50	5.2	2.6	...	1.1	1.67	7.02	9.49	
Maxville.....	46	□	1.1	50	3.0	1.5	w0.8	1.1	1.50	4.05	6.52	
McGarry.....	40	1.5	...	60	3.5	...	...	1.1	1.11	3.77	6.25
Meaford.....	42	1.1	...	60	2.6	...	...	1.0	0.83	3.11	5.36
Merlin.....	44	1.2	...	60	3.1	...	...	1.0	0.83	3.38	5.63
Merrickville.....	41	□	1.1	50	3.2	1.6	w0.8	1.1	1.60	4.32	6.79	
Midland.....	39	1.1	...	50	1.8	0.9	0.7	1.0	1.11	2.43	4.00	
Mildmay.....	40	1.1	...	60	2.5	...	...	1.0	1.39	3.06	5.31
Millbrook.....	41	□	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	
Milton.....	43	1.2	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57	
Milverton.....	43	1.5	...	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07	
Mimico.....	37	1.5	...	50	2.6	1.3	...	0.9	1.67	3.51	5.53	
Mitchell.....	40	□	...	50	3.4	1.7	1.0	1.4	1.11	4.59	6.84	
Moorefield.....	43	1.2	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	
Morrisburg.....	40	1.5	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81	
Mount Brydges.....	41	1.2	...	50	3.4	1.7	1.0	1.4	1.11	4.59	6.84	
Mount Forest.....	39	□	...	50	2.6	1.3	0.8	1.1	0.83	3.51	5.31	
Napanee.....	38	□	...	50	2.6	1.3	0.8	1.1	0.83	3.51	5.31	
Neustadt.....	37	1.5	...	50	2.0	1.0	0.7	1.0	1.11	2.70	4.27	
Newboro.....	38	1.5	...	50	3.8	1.9	...	1.0	2.22	5.13	7.38	
Newburgh.....	40	1.5	...	60	4.3	...	...	1.2	1.39	4.37	7.07
Newbury.....	45	1.5	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	
Newcastle.....	42	1.5	...	50	2.8	1.4	...	1.0	1.67	3.78	6.03	
New Hamburg.....	39	...	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	
New Liskeard.....	42	1.39	...	50	4.0	2.0	...	1.1	1.39	5.40	7.87	
Newmarket.....	38	1.2	...	50	2.8	1.4	w0.8	1.1	1.40	3.78	6.25	
New Toronto.....	37	1.5	...	60	2.6	...	...	1.2	0.83	3.46	6.16
Niagara.....	42	1.5	...	60	3.0	...	...	1.4	0.83	4.01	7.16
Niagara Falls.....	40	□	...	50	3.5	1.4	x0.7	1.1	1.75	4.09	5.67	
Nipigon Twp.....	30	1.3	1.11	50	2.2	1.1	0.7	1.0	1.11	2.97	4.54	
North Bay.....	42	□	...	60	2.5	...	...	1.2	1.11	3.40	6.10
North York Twp.....	37	1.22	...	50	3.4	1.7	...	1.0	1.67	4.59	6.84	
Norwich.....	46	□	...	60	3.4	...	...	1.2	1.11	3.89	6.59
Norwood.....	42	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	
Oakville.....	37	1.2	...	50	3.6	1.8	1.0	1.4	1.67	4.86	7.11	
Oil Springs.....	45	□	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	
Omamee.....	41	1.5	...	60	3.3	...	...	1.0	0.83	3.49	5.74
Orangeville.....	43	1.1	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	
Orillia.....	36	1.33	...	60	2.3	...	...	0.9	0.83	2.78	4.81
Orono.....	40	...	1.1	50	3.0	1.5	...	1.1	1.50	4.05	6.52	

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
For explanatory notes and water-heating schedules see pages 232 to 235.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1962

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block	Second Block	All Addi- tional Hours				
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		Hours' Use 50 100	Hours' Use 50 100		200 Hours	300 Hours		
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	\$	\$	\$
1.1	1.5	5.2	0.8	0.5	5.85	6.30	1.00	..	3.2	..	0.5	0.33	4.23	4.53
...	1.5	2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	3.0	...	1.0	4.05	4.95	1.35	3.1	..	2.0	..	0.33	3.81	4.10
1.0	...	2.2	...	0.8	3.15	3.87	1.20	2.1	..	1.4	..	0.30	2.92	3.19
...	...	2.6	...	0.7	3.42	4.05	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	...	2.6	0.8	0.5	3.51	3.96	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	...	1.5	0.8	0.5	2.52	2.97	1.00	..	0.8	..	0.5	0.33	2.07	2.37
...	...	2.0	...	0.9	3.06	3.87	1.20	1.9	..	1.3	..	0.30	2.79	3.06
...	...	3.0	0.8	0.5	3.87	4.32	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.4	...	2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.3	...	2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.4	...	2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	1.5	3.0	0.8	0.5	3.87	4.32	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.1	...	2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	2.2	0.8	0.5	3.15	3.60	1.00	..	1.3	..	0.5	0.33	2.52	2.82
...	...	1.6	0.8	0.5	2.61	3.06	1.00	..	1.0	..	0.5	0.33	2.25	2.55
...	...	3.0	0.8	0.5	3.87	4.32	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.2	...	3.8	...	1.2	4.95	6.03	1.35	2.5	..	1.6	..	0.33	3.36	3.65
...	...	2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.0	...	2.7	0.8	0.5	3.60	4.05	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	...	2.6	0.8	0.5	3.51	3.96	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	...	2.1	0.8	0.5	3.06	3.51	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.4	...	2.5	...	1.2	3.78	4.86	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.1	s	2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.0	...	1.9	0.8	0.5	2.88	3.33	1.00	..	1.2	..	0.5	0.33	2.43	2.73
1.2	1.5	2.0	...	0.9	3.06	3.87	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.2	...	2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	...	3.0	...	1.0	4.05	4.95	1.35	2.5	..	1.6	..	0.33	3.36	3.65
1.1	...	2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	...	2.8	...	0.8	3.69	4.41	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	...	2.3	0.8	0.5	3.24	3.69	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	1.5	1.8	...	0.8	2.79	3.51	1.00	1.4	..	0.9	..	0.30	2.20	2.47
...	...	2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45

RATES AND TYPICAL BILLS FOR in Effect

*Rates are quoted on a monthly basis and
and a minimum*

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE									
		■ House Heating per Kwh	● All-Electric Rate per Kwh	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh
Oshawa.....	¢ No. 34	1.1	...	50	¢ 2.2	¢ 1.1	¢ 0.7	¢ 1.0	\$ 0.83	\$ 2.97	\$ 4.54
Ottawa (incl. Eastview and Rockcliffe Park)	32 ..	..	...	a 60	¢ 2.0	...	...	¢ 0.5	0.83	2.80	3.92
Otterville.....	.. 44	□	...	50	3.4	1.4	w0.8	1.1	1.50	4.05	6.52
Owen Sound.....	38 ..	1.1	...	60	2.4	...	...	1.1	1.11	3.18	5.65
Paisley.....	.. 43	1.2	...	60	3.5	...	...	1.0	1.39	3.60	5.85
Palmerston.....	.. 43	1.5	...	50	3.0	1.5	0.9	1.2	2.22	4.05	6.07
Paris.....	.. 42	1.2	...	60	2.8	...	...	1.3	0.83	3.73	6.66
Parkhill.....	.. 44	1.2	...	50	3.2	1.6	0.9	1.3	1.11	4.32	6.34
Parry Sound.....	.. 42	⊖	...	50	3.4	1.7	1.0	1.3	1.11	4.59	6.84
Penetanguishene.....	.. 37	1.1	...	50	2.2	1.1	0.7	1.0	1.11	2.97	4.54
Perth.....	.. 37	1.33	...	50	2.8	1.4	...	1.0	1.67	3.78	6.03
Peterborough.....	.. 36	□	1.1	50	4.7	...	...	1.1	2.35	4.09	6.57
Petrolia.....	.. 45	□	...	50	3.2	1.6	1.0	1.4	0.83	4.32	6.57
Pickering.....	.. 37	□	...	50	3.8	1.9	w0.8	1.1	1.90	5.13	7.60
†Pickle Lake Landing Townsite.....	.. 45	1.5	...	50	4.4	2.2	1.2	1.6	1.67	5.94	8.64
Picton.....	41 ..	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Plattsville.....	.. 42	1.5	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Point Edward.....	.. 38	1.5	...	50	3.0	1.5	0.9	1.2	0.83	4.05	6.07
Port Arthur.....	.. 38	..	1.11	50	2.4	1.2	w0.8	1.1	1.67	3.24	5.71
Port Burwell.....	.. 45	1.5	...	50	4.4	2.2	1.3	1.6	2.78	5.94	8.86
†Port Carling.....	.. 41	1.39	...	50	4.4	2.2	1.2	1.6	1.67	5.94	8.64
Port Colborne.....	.. 41	□	...	60	2.8	...	...	1.2	0.83	3.56	6.26
Port Credit.....	.. 38	1.5	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Port Dover.....	.. 44	□	...	60	2.4	...	...	1.2	0.83	3.35	6.05
Port Elgin.....	.. 44	□	...	50	3.2	1.6	0.9	1.3	1.39	4.32	6.34
Port Hope.....	.. 40	□	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Port McNicoll.....	.. 39	1.1	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Port Perry.....	.. 41	1.1	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08
Port Rowan.....	.. 45	1.5	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Port Stanley.....	.. 45	1.2	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57
†Powassan.....	.. 42	1.39	...	50	3.6	1.8	...	1.1	1.67	4.86	7.33
Prescott.....	.. 37	1.2	...	50	2.2	1.1	0.7	1.0	0.83	2.97	4.54
Preston.....	.. 36	□	1.1	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07
Priceville.....	.. 47	□	...	50	4.0	2.0	...	1.2	2.00	5.40	8.10
Princeton.....	.. 45	1.1	...	60	3.0	...	...	1.0	1.39	3.33	5.58
Queenston.....	.. 40	1.1	...	50	2.6	1.3	...	0.8	0.83	3.51	5.31
Rainy River.....	.. 57	1.5	...	50	6.0	3.0	...	1.6	1.67	8.10	11.70
†Red Lake Twp.....	.. 45	1.5	...	50	4.4	2.2	1.2	1.6	1.67	5.94	8.64
Red Rock.....	.. 32	1.3	1.11	50	2.4	1.2	0.7	1.0	1.67	3.24	4.81
Renfrew.....	.. 36	1.1	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
For explanatory notes and water-heating schedules see pages 232 to 235.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1962

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE								
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand		
		Energy Rate per Kwh for Use of Each Kw of Demand													
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		First Block Hours' Use 50 100	Second Block Hours' Use 50 100	All Addi- tional Hours	200 Hours	300 Hours			
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
1.0	...	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.2	..	0.5	0.33	2.43	2.73	
...	...	2.0	0.8	0.5	2.97	3.42	1.00	..	1.4	..	0.5	0.33	2.61	2.91	
...	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90	
...	...	°2.0	0.8	0.5	2.97	3.42	1.00	1.5	..	1.1	..	0.30	2.34	2.61	
...	1.5	3.0	...	1.0	4.05	4.95	1.35	2.6	..	1.7	..	0.33	3.45	3.74	
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	1.5	2.3	...	0.8	3.24	3.96	1.00	1.5	..	1.1	..	0.30	2.34	2.61	
1.3	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63	
1.3	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.1	..	0.5	0.33	3.24	3.54	
...	...	°1.6	0.8	0.5	2.61	3.06	1.00	..	1.0	..	0.5	0.33	2.25	2.55	
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.3	..	0.5	0.33	2.52	2.82	
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.2	..	0.5	0.33	2.43	2.73	
...	...	3.2	0.8	0.5	4.05	4.50	1.00	..	2.7	..	0.5	0.33	3.78	4.08	
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00	
1.6	1.5	°3.9	0.8	0.5	4.68	5.13	1.00	..	3.4	..	0.5	0.33	4.41	4.71	
...	1.5	2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09	
1.1	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45	
...	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.6	..	0.5	0.33	2.79	3.09	
...	...	2.0	0.8	0.5	2.97	3.42	1.00	..	1.3	..	0.5	0.33	2.52	2.82	
...	...	°3.4	0.8	0.5	4.23	4.68	1.00	..	2.5	..	0.5	0.33	3.60	3.90	
1.6	1.5	4.2	0.8	0.5	4.95	5.40	1.00	..	2.7	..	0.5	0.33	3.78	4.08	
1.2	...	2.5	...	1.1	3.69	4.68	1.20	1.9	..	1.3	..	0.30	2.79	3.06	
1.4	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	1.5	2.0	...	1.0	3.15	4.05	1.20	1.7	..	1.2	..	0.30	2.65	2.92	
1.2	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.2	..	0.5	0.33	3.33	3.63	
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09	
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36	
1.0	...	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91	
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45	
...	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81	
1.1	1.5	°3.4	0.8	0.5	4.23	4.68	1.00	..	2.7	..	0.5	0.33	3.78	4.08	
...	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.3	..	0.5	0.33	2.52	2.82	
1.2	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.5	..	0.5	0.33	2.70	3.00	
...	...	3.8	0.8	0.5	4.59	5.04	1.00	..	2.9	..	0.5	0.33	3.96	4.26	
...	...	2.7	...	0.8	3.60	4.32	1.20	2.1	..	1.4	..	0.30	2.92	3.19	
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	...	°5.0	0.8	0.5	5.67	6.12	1.00	..	4.0	..	0.8	0.50	5.22	5.67	
1.6	1.5	°3.9	0.8	0.5	4.68	5.13	1.00	..	3.4	..	0.5	0.33	4.41	4.71	
...	...	°1.7	0.8	0.5	2.70	3.15	1.00	..	0.9	..	0.5	0.33	2.16	2.46	
...	...	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.2	..	0.5	0.33	2.43	2.73	

RATES AND TYPICAL BILLS FOR in Effect

*Rates are quoted on a monthly basis and
and a minimum*

		RESIDENTIAL SERVICE											
		Flat-Rate Water Heating per 100 Watts or Schedule Number		■ House Heating per Kwh	● All-Electric Rate per Kwh	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
							First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh
	¢ No.	¢	¢	No.	¢	¢	¢	¢	\$	\$	\$		
Richmond.....	35	1.5	...	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85		
Richmond Hill.....	40	1.2	1.2	50	3.4	1.7	...	1.0	1.70	4.59	6.84		
Ridgetown.....	45	1.2	...	60	2.9	...	...	1.1	0.83	3.45	5.92
Ripley.....	43	□	...	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58		
Riverside.....	36	□	...	50	3.2	1.6	0.9	1.3	1.11	4.32	6.34		
Rockland.....	36	□	...	50	2.6	1.3	w0.8	1.1	1.11	3.51	5.98		
Rockwood.....	45	1.5	...	50	3.4	1.7	1.0	1.4	1.39	4.59	6.84		
Rodney.....	45	...	1.1	50	3.2	1.6	w0.8	1.2	1.60	4.32	7.02		
Rosseau.....	43	□	...	50	3.4	1.7	1.0	1.4	1.67	4.59	6.84		
Russell.....	38	□	...	50	2.6	1.3	w0.8	1.1	1.33	3.51	5.98		
St. Catharines.....	42	□	...	60	2.7	...	...	1.5	1.00	4.02	7.40
St. Clair Beach.....	42	□	1.1	50	3.6	1.8	w0.8	1.1	1.67	4.86	7.33		
St. George.....	44	1.5	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81		
St. Jacobs.....	42	1.5	...	60	3.0	...	...	1.1	0.83	3.50	5.98
St. Mary's.....	43	1.1	...	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07		
St. Thomas.....	40	□	...	50	3.2	1.6	...	1.1	1.11	4.32	6.79		
Sandwich East Twp.....	41	□	1.2	50	4.0	2.0	...	1.1	1.67	5.40	7.87		
Sandwich West Twp.....	41	1.1	1.2	50	4.0	2.0	...	1.0	1.67	5.40	7.65		
Sarnia.....	40	□	...	50	3.8	1.3	w0.7	1.1	1.67	4.05	6.52		
Scarborough Twp.....	37	1.5	...	50	3.0	1.5	...	1.0	2.22	4.05	6.30		
Schreiber Twp.....	31	1.3	1.11	50	2.0	1.0	0.7	1.0	1.67	2.70	4.27		
Seaforth.....	36	□	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85		
Shelburne.....	43	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58		
Simcoe.....	41	1.1	...	50	2.2	1.1	0.7	1.0	1.11	2.97	4.54		
Sioux Lookout.....	53	1.5	...	60	4.0	...	...	1.5	2.00	4.72	8.10
Smith's Falls.....	40	...	1.1	50	3.0	1.5	w0.8	1.1	1.50	4.05	6.52		
Smithville.....	44	□	...	60	3.2	...	...	1.2	0.83	3.78	6.48
Southampton.....	45	□	...	50	3.2	...	...	1.1	1.11	3.42	5.89
†South Porcupine Townsite.....	42	1.39	...	50	3.4	1.7	...	1.1	1.39	4.59	7.06		
South River.....	45	1.5	...	50	6.0	3.0	...	1.6	1.67	8.10	11.70		
Springfield.....	41	1.5	...	50	2.6	1.3	0.7	1.0	0.83	3.51	5.08		
Stamford Twp.....	40	...	1.2	60	3.2	...	...	1.4	1.00	4.12	7.27
Stayner.....	41	1.1	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81		
Stirling.....	38	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58		
Stoney Creek.....	41	□	...	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85		
Stouffville.....	44	1.2	...	50	3.4	1.7	1.0	1.4	1.11	4.59	6.84		
Stratford.....	40	□	...	60	2.9	...	...	1.2	0.83	3.62	6.32
Strathroy.....	37	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58		
Streetsville.....	43	1.5	...	60	2.9	...	...	1.3	0.83	3.79	6.71
Sturgeon Falls.....	40	□	...	50	3.2	1.6	...	1.2	2.22	4.32	7.02		

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

For explanatory notes and water-heating schedules see pages 232 to 235.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1962

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE								
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand						Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block			Second Block					All Addi- tional Hours
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		Hours' Use 50 100	Hours' Use 50 100	Hours' Use 50 100	Hours' Use 50 100	200 Hours	300 Hours		
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	
...	...	¢2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54	
1.4	1.5	¢2.7	0.8	0.5	3.60	4.05	1.00	..	2.1	..	0.5	0.33	3.24	3.54	
...	...	2.4	...	0.9	3.42	4.23	1.35	2.2	..	1.4	..	0.33	3.13	3.43	
...	...	¢2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
1.3	...	¢2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	...	¢2.1	0.8	0.5	3.06	3.51	1.00	..	1.3	..	0.5	0.33	2.52	2.82	
...	...	¢2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72	
...	...	¢3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90	
...	...	¢2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54	
...	1.5	¢2.0	0.8	0.5	2.97	3.42	1.00	..	2.0	..	0.5	0.33	3.15	3.45	
1.5	...	¢2.3	...	1.1	3.51	4.50	1.20	1.9	..	1.3	..	0.30	2.79	3.06	
...	1.5	¢3.0	0.8	0.5	3.87	4.32	1.00	..	2.3	..	0.5	0.33	3.42	3.72	
...	...	¢2.2	0.8	0.5	3.15	3.60	1.00	..	1.9	..	0.5	0.33	3.06	3.36	
...	...	2.5	...	1.0	3.60	4.50	1.20	1.7	..	1.2	..	0.30	2.65	2.92	
...	...	¢2.5	0.8	0.5	3.42	3.87	1.00	..	1.5	..	0.5	0.33	2.70	3.00	
...	...	¢2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09	
...	1.5	¢3.5	0.8	0.5	4.32	4.77	1.00	..	3.0	..	0.5	0.33	4.05	4.35	
1.0	1.5	¢3.1	0.8	0.5	3.96	4.41	1.00	..	2.6	..	0.5	0.33	3.69	3.99	
...	...	¢2.7	0.8	0.5	3.60	4.05	1.00	..	1.6	..	0.5	0.33	2.79	3.09	
1.2	...	¢2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
1.0	...	¢1.7	0.8	0.5	2.70	3.15	1.00	..	1.2	..	0.5	0.33	2.43	2.73	
...	...	¢2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09	
1.1	...	¢2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00	
1.0	1.5	¢1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91	
1.5	...	3.5	...	2.0	5.40	7.20	1.35	2.8	..	1.8	..	0.33	3.58	3.88	
1.1	1.5	¢2.0	0.8	0.5	2.97	3.42	1.00	..	1.4	..	0.5	0.33	2.61	2.91	
...	...	2.8	...	1.1	3.96	4.95	1.35	2.5	..	1.6	..	0.33	3.36	3.65	
...	...	2.9	...	1.1	4.05	5.04	1.35	2.2	..	1.4	..	0.33	3.13	3.43	
1.1	1.5	¢3.3	0.8	0.5	4.14	4.59	1.00	..	2.4	..	0.5	0.33	3.51	3.81	
...	...	¢5.3	0.8	0.5	5.94	6.39	1.00	..	4.5	..	0.5	0.33	5.40	5.70	
...	...	¢1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91	
1.4	...	¢3.1	0.8	0.5	3.96	4.41	1.20	1.9	..	1.3	..	0.30	2.79	3.06	
1.0	...	¢1.8	0.8	0.5	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.52	2.82	
...	...	¢2.2	0.8	0.5	3.15	3.60	1.00	..	1.3	..	0.5	0.33	2.52	2.82	
1.2	1.5	¢2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	...	¢3.1	0.8	0.5	3.96	4.41	1.00	..	2.5	..	0.5	0.33	3.60	3.90	
...	...	2.4	...	0.7	3.24	3.87	1.20	1.7	..	1.2	..	0.30	2.65	2.92	
1.1	1.5	¢2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	...	2.4	...	1.3	3.78	4.95	1.20	2.1	..	1.4	..	0.30	2.92	3.19	
...	...	¢2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45	

RATES AND TYPICAL BILLS FOR
in Effect

Rates are quoted on a monthly basis and
and a minimum

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE									
		■ House Heating per Kwh	● All-Electric Rate per Kwh	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh
	¢ No.	¢	¢	No.	¢	¢	¢	¢	\$	\$	\$
Sudbury.....	37	□	...	60	2.6	...	...	1.2	1.11	3.46	6.16
Sunderland.....	40	□	...	50	2.6	1.3	0.7	1.1	1.11	3.51	5.08
Sundridge.....	45	1.5	...	50	3.4	1.7	1.0	1.4	1.67	4.59	6.84
Sutton.....	45	1.5	...	60	2.7	...	...	1.0	1.11	3.17	5.42
Swansea.....	37	1.5	...	50	2.8	1.4	...	1.0	1.67	3.78	6.03
Tara.....	41	1.1	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Tavistock.....	39	1.1	...	60	2.7	...	...	1.4	0.83	3.85	7.00
Tecumseh.....	41	□	1.1	50	3.6	1.8	w0.8	1.1	1.67	4.86	7.33
Teeswater.....	42	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Terrace Bay Twp.....	36	1.3	1.11	50	2.6	1.3	...	0.9	1.67	3.51	5.53
Thamesford.....	45	1.2	...	50	3.4	1.7	1.0	1.4	1.11	4.59	6.84
Thamesville.....	45	□	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58
Thedford.....	45	1.5	...	50	2.6	1.3	0.7	1.0	0.83	3.51	5.08
Thessalon.....	48	□	1.2	50	4.0	2.0	...	1.2	2.22	5.40	8.10
Thornbury.....	42	□	...	60	3.5	...	...	1.3	1.11	4.11	7.04
Thornedale.....	42	1.5	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57
†Thornloe.....	42	1.39	...	50	4.0	2.0	...	1.1	1.39	5.40	7.87
Thornton.....	39	1.1	...	60	3.8	...	...	1.0	1.39	3.76	6.01
Thorold.....	40	1.2	...	50	3.2	1.6	...	1.3	1.11	4.32	7.24
Tilbury.....	45	1.2	...	50	3.0	1.5	0.9	1.2	0.83	4.05	6.07
Tillsonburg.....	40	□	...	50	3.0	1.5	0.8	1.2	1.67	4.05	5.85
†Timmins (incl. Schumacher)...	42	1.39	...	50	3.4	1.7	...	1.1	1.39	4.59	7.06
Toronto (incl. Leaside)...	□	□	...	60	2.0	...	...	1.4	0.83	3.47	6.62
Toronto Twp.....	37	1.5	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57
Tottenham.....	43	1.5	...	50	2.6	1.3	0.8	1.1	1.39	3.51	5.31
Trenton.....	34	1.1	1.1	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81
Tweed.....	37	1.2	...	50	1.8	0.9	0.7	1.0	0.83	2.43	4.00
Uxbridge.....	39	1.1	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08
Vankleek Hill.....	39	□	1.1	50	3.2	1.6	w0.8	1.1	1.60	4.32	6.79
Victoria Harbour.....	43	1.1	...	60	3.2	...	...	1.3	1.39	3.95	6.88
Walkerton.....	38	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Wallaceburg.....	41	1.1	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81
Wardsville.....	52	...	...	60	3.6	...	...	0.9	1.11	3.48	5.51
Warkworth.....	41	...	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	7.06
Wasaga Beach.....	42	□	...	50	3.6	1.8	...	1.1	1.67	4.86	7.33
Waterdown.....	40	□	...	60	2.6	...	...	1.2	0.83	3.46	6.16
Waterford.....	42	□	...	50	3.2	1.6	0.9	1.3	1.39	4.32	6.34
Waterloo.....	35	□	...	60	2.6	...	...	1.1	0.83	3.28	5.76
Watford.....	45	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Waubushene.....	42	1.1	...	60	3.2	...	...	1.2	1.39	3.78	6.48

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
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MUNICIPAL ELECTRICAL SERVICE

December 31, 1962

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE								
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand						Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block Hours' Use			Second Block Hours' Use					All Addi- tional Hours
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		50	100	50	100	200 Hours	300 Hours		
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	
1.2	1.5	2.4	...	1.2	3.69	4.77	1.35	2.0	..	1.3	..	0.33	3.00	3.29	
...	...	2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	...	3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90	
...	...	2.4	...	0.7	3.24	3.87	1.35	2.0	..	1.3	..	0.33	3.00	3.29	
...	...	2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	1.5	2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36	
...	...	2.3	...	1.4	3.78	5.04	1.35	2.2	..	1.4	..	0.33	3.13	3.43	
...	1.5	2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54	
...	...	2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	...	2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	1.4	2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81	
...	...	2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
1.1	...	2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	1.5	3.8	0.8	0.5	4.59	5.04	1.00	..	3.2	..	0.5	0.33	4.23	4.53	
...	...	3.1	...	1.3	4.41	5.58	1.20	1.9	..	1.3	..	0.30	2.79	3.06	
...	...	2.7	0.8	0.5	3.60	4.05	1.00	..	1.9	..	0.5	0.33	3.06	3.36	
1.1	1.5	3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81	
...	...	3.3	...	1.0	4.32	5.22	1.35	2.8	..	1.8	..	0.33	3.58	3.88	
1.3	...	2.5	0.8	0.5	3.42	3.87	1.00	..	1.5	..	0.5	0.33	2.70	3.00	
...	...	2.6	0.8	0.5	3.51	3.96	1.00	..	1.9	..	0.5	0.33	3.06	3.36	
...	...	2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
1.1	1.5	3.3	0.8	0.5	4.14	4.59	1.00	..	2.4	..	0.5	0.33	3.51	3.81	
1.2	...	2.1	...	0.7	3.28	3.91	1.10	2.1	..	1.4	..	0.38	2.91	3.25	
1.4	...	2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45	
...	...	2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54	
1.0	1.5	1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82	
1.0	...	1.6	0.8	0.5	2.61	3.06	1.00	..	0.8	..	0.5	0.33	2.07	2.37	
1.0	...	2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36	
...	1.5	2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
...	...	2.7	...	1.3	4.05	5.22	1.35	2.8	..	1.8	..	0.33	3.58	3.88	
...	...	2.3	0.8	0.5	3.24	3.69	1.00	..	1.4	..	0.5	0.33	2.61	2.91	
...	...	1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82	
...	...	3.2	...	0.8	4.05	4.77	1.35	2.8	..	1.8	..	0.33	3.58	3.88	
...	...	2.4	0.8	0.5	3.33	3.78	1.00	..	2.1	..	0.5	0.33	3.24	3.54	
1.1	...	3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90	
...	...	2.2	...	1.2	3.51	4.59	1.20	1.9	..	1.3	..	0.30	2.79	3.06	
1.2	...	2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45	
...	...	2.2	...	1.0	3.33	4.23	1.20	2.1	..	1.4	..	0.30	2.92	3.19	
...	...	2.2	...	1.0	3.33	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63	
1.1	...	2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.90	4.19	
...	...	2.6	...	1.2	3.87	4.95	1.35	3.2	..	2.1	..	0.33	3.90	4.19	

RATES AND TYPICAL BILLS FOR in Effect

*Rates are quoted on a monthly basis and
and a minimum*

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE									
		■ House Heating per Kwh	● All-Electric Rate per Kwh	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh
Webbwood.....	43	..	1.2	50	5.2	2.6	...	1.2	2.50	7.02	9.72
Welland.....	41	1.1	...	50	3.2	1.6	...	0.9	1.67	4.32	6.34
Wellesley.....	42	1.5	...	60	3.3	...	...	1.3	1.11	4.00	6.93
Wellington.....	46	..	1.1	50	3.0	1.5	w0.9	1.1	1.50	4.05	6.52
West Ferris Twp.....	37	□	1.2	50	3.6	1.8	...	1.2	2.22	4.86	7.56
West Lorne.....	43	..	1.1	50	3.0	1.5	w0.8	1.1	1.11	4.05	6.52
Weston.....	37	⊖	1.1	50	3.0	1.5	0.8	1.2	1.67	4.05	5.85
Westport.....	38	1.5	...	50	2.4	1.2	0.7	1.0	0.83	3.24	4.81
Wheatley.....	45	..	1.2	60	3.3	...	...	1.2	1.11	3.83	6.53
Whitby.....	36	1.5	...	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85
†White River.....	60	1.5	...	50	7.0	3.5	...	1.6	2.78	9.45	13.05
Wlarton.....	43	1.5	...	50	2.8	1.4	...	1.0	1.11	3.78	6.03
Williamsburg.....	45	□	...	50	2.6	1.3	w0.8	1.1	1.30	3.51	5.98
Winchester.....	41	1.5	...	50	2.6	1.3	...	0.9	1.39	3.51	5.53
Windermere.....	45	..	1.5	50	3.2	1.6	1.0	1.4	1.67	4.32	6.57
Windsor.....	36	1.5	...	50	2.4	1.2	0.7	1.0	0.83	3.24	4.81
Wingham.....	43	□	...	50	2.4	1.2	0.7	1.1	1.11	3.24	4.81
Woodbridge.....	42	1.2	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58
Woodstock.....	36	1.2	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Woodville.....	45	1.5	...	60	3.8	...	...	1.2	1.67	4.10	6.80
Wyoming.....	45	1.5	...	50	2.6	1.3	0.7	1.0	0.83	3.51	5.08
York Twp.....	37	1.2	...	50	2.6	1.3	0.8	1.1	1.67	3.51	5.31
Zurich.....	45	□	1.2	60	3.7	...	...	1.2	0.83	4.05	6.75

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

NOTES

Service Charges

- 33¢ per month per service when the permanently installed appliance load is under 2,000 watts and 66¢ per month when 2,000 watts or more.
- Demand rate 8.5¢ per 100 watts, minimum 50¢.
- Minimum demand charge 25¢.

■ House Heating

- Applicable where electric energy is used to heat an entire dwelling or a portion of a dwelling in excess of 25% of the floor area.
- Energy supplied through residential service meter at standard rates.
 - Energy metered separately at end residential rate or energy supplied through residential service meter at standard rates.

● All-Electric Service

- Applicable to all energy sold to residential customers using all-electric house heating and electric water heating supplied through the residential service meter.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1962

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE								
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand						Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block			Second Block					All Addi- tional Hours
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		Hours' Use 50 100	Hours' Use 50 100	Hours' Use 50 100	Hours' Use 50 100	200 Hours	300 Hours		
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	\$
...	...	°4.5	0.8	0.5	5.22	5.67	1.00	..	2.5	..	0.5	0.33	3.60	3.90	
1.0	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	...	2.8	...	1.2	4.05	5.13	1.35	2.0	..	1.3	..	0.33	3.00	3.29	
1.1	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.7	..	0.5	0.33	3.78	4.08	
...	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.0	..	0.5	0.33	3.15	3.45	
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54	
1.2	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18	
...	...	2.9	...	1.2	4.14	5.22	1.35	2.5	..	1.6	..	0.33	3.36	3.65	
1.2	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.5	..	0.5	0.33	2.70	3.00	
...	...	°5.8	0.8	0.5	6.39	6.84	1.00	..	5.1	..	0.5	0.33	5.94	6.24	
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36	
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	2.4	..	0.5	0.33	3.51	3.81	
...	...	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.6	..	0.5	0.33	2.79	3.09	
...	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72	
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00	
...	...	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09	
1.1	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27	
1.2	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00	
...	...	3.2	...	1.2	4.41	5.49	1.35	2.5	..	1.6	..	0.33	3.36	3.65	
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36	
1.1	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00	
...	...	3.4	...	0.9	4.32	5.13	1.35	3.1	..	2.0	..	0.33	3.81	4.10	

NOTES

Special Rates or Discounts

◇ First 60 kwh of monthly consumption at 2.0¢, second 60 kwh and all kwh in excess of 1,000 at 1.0¢.

▣ Flat-rate water-heater service—Toronto:

System-owned—First 400 watts \$2.90 per month.

Each 100 watts additional 40¢ per month, plus a monthly charge for larger tank sizes as follows:

30¢ for 1,000-watt and 1,200-watt heaters.
40¢ for 1,500-watt heaters.
50¢ for 2,000-watt and 2,500-watt heaters.
55¢ for heaters 3,000 watts and over.

Customer-owned—First 400 watts \$1.98 per month.

Each 100 watts additional 40¢ per month.

§ Farm customers billed at standard rural rates.

§§ Farm customers billed at special rates.

x Denotes the next 1,000 kwh.

s Special rate available for selected categories.

w Special rate for metered water-heating customers only.

° Commercial customers with a connected load of under 5 kilowatts billed at residential rates.

Municipal Electrical
GROSS MONTHLY ENERGY RATES
Subject to 10%

Element Rating	SCHEDULE																
	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
watts	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
400	1.00	1.04	1.08	1.12	1.16	1.20	1.24	1.28	1.32	1.36	1.40	1.44	1.48	1.52	1.56	1.60	1.64
450	1.12	1.17	1.21	1.26	1.30	1.36	1.40	1.44	1.49	1.53	1.58	1.62	1.67	1.71	1.76	1.80	1.84
500	1.25	1.30	1.35	1.40	1.45	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
550	1.38	1.43	1.49	1.54	1.60	1.66	1.70	1.76	1.81	1.87	1.92	1.98	2.03	2.09	2.14	2.20	2.26
600	1.50	1.56	1.62	1.68	1.74	1.80	1.86	1.92	1.98	2.04	2.10	2.16	2.22	2.28	2.34	2.40	2.46
650	1.59	1.66	1.71	1.78	1.84	1.91	1.97	2.03	2.10	2.16	2.22	2.29	2.36	2.41	2.48	2.54	2.61
700	1.68	1.74	1.81	1.88	1.94	2.01	2.08	2.14	2.21	2.28	2.34	2.41	2.48	2.54	2.61	2.68	2.74
750	1.78	1.84	1.91	1.99	2.06	2.12	2.20	2.27	2.34	2.41	2.48	2.56	2.62	2.69	2.77	2.83	2.91
800	1.86	1.93	2.00	2.08	2.16	2.22	2.30	2.38	2.44	2.52	2.60	2.67	2.74	2.82	2.90	2.97	3.04
850	1.94	2.02	2.10	2.18	2.26	2.33	2.41	2.49	2.57	2.64	2.72	2.80	2.88	2.96	3.03	3.11	3.19
900	2.04	2.12	2.20	2.29	2.37	2.44	2.53	2.61	2.69	2.78	2.86	2.93	3.02	3.10	3.18	3.27	3.34
950	2.13	2.22	2.30	2.39	2.48	2.56	2.64	2.73	2.81	2.90	2.99	3.07	3.16	3.24	3.33	3.41	3.50
1,000	2.22	2.31	2.40	2.49	2.58	2.67	2.76	2.84	2.93	3.02	3.11	3.20	3.29	3.38	3.47	3.56	3.64
1,000/ 3,000	2.36	2.46	2.55	2.64	2.74	2.83	2.93	3.02	3.12	3.21	3.31	3.40	3.49	3.59	3.68	3.78	3.87
1,500/ 4,500	3.54	3.68	3.82	3.97	4.11	4.25	4.39	4.53	4.67	4.82	4.96	5.10	5.24	5.38	5.52	5.67	5.81

NOTE: Gross monthly rates for all balanced element sizes over 1,000 watts are calculated as follows:

Rate for 1,000-watt element X $\frac{\text{Element rating}}{1,000}$

Service

FOR FLAT-RATE WATER HEATING

prompt payment discount

NUMBER																			
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1.68	1.72	1.76	1.80	1.84	1.88	1.92	1.96	2.00	2.04	2.08	2.12	2.16	2.20	2.24	2.28	2.32	2.36	2.40	
1.89	1.93	1.98	2.02	2.07	2.11	2.16	2.20	2.26	2.29	2.34	2.38	2.42	2.47	2.52	2.56	2.60	2.66	2.72	
2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	
2.31	2.37	2.42	2.48	2.53	2.59	2.64	2.70	2.76	2.81	2.86	2.92	2.98	3.03	3.08	3.14	3.20	3.26	3.32	
2.52	2.58	2.64	2.70	2.76	2.82	2.88	2.94	3.00	3.06	3.12	3.18	3.24	3.30	3.36	3.42	3.48	3.54	3.60	
2.67	2.73	2.80	2.86	2.92	2.99	3.06	3.11	3.18	3.25	3.32	3.37	3.42	3.49	3.56	3.62	3.68	3.75	3.82	
2.81	2.88	2.94	3.01	3.08	3.14	3.21	3.28	3.34	3.42	3.48	3.55	3.62	3.69	3.76	3.82	3.88	3.95	4.02	
2.98	3.04	3.12	3.19	3.26	3.33	3.40	3.48	3.54	3.62	3.68	3.75	3.82	3.90	3.98	4.05	4.12	4.18	4.24	
3.12	3.19	3.27	3.34	3.41	3.49	3.57	3.63	3.71	3.79	3.86	3.93	4.00	4.08	4.16	4.24	4.32	4.38	4.44	
3.27	3.34	3.42	3.50	3.58	3.66	3.73	3.81	3.90	3.96	4.04	4.12	4.20	4.28	4.36	4.44	4.52	4.59	4.66	
3.42	3.51	3.59	3.67	3.76	3.83	3.91	4.00	4.08	4.16	4.24	4.32	4.40	4.49	4.58	4.66	4.74	4.81	4.88	
3.59	3.67	3.76	3.84	3.92	4.01	4.10	4.18	4.27	4.35	4.44	4.52	4.60	4.69	4.78	4.87	4.96	5.04	5.12	
3.73	3.82	3.91	4.00	4.09	4.18	4.27	4.36	4.44	4.53	4.62	4.71	4.80	4.89	4.98	5.07	5.16	5.25	5.34	
3.97	4.06	4.16	4.25	4.34	4.44	4.53	4.63	4.72	4.82	4.91	5.01	5.10	5.19	5.29	5.38	5.48	5.57	5.67	
5.95	6.09	6.23	6.37	6.52	6.66	6.80	6.94	7.08	7.22	7.37	7.51	7.65	7.79	7.93	8.07	8.22	8.36	8.50	

**CUSTOMERS, REVENUE,
for the Year Ended
In Forty Major Municipal
(Arranged in descending order)**

	Total Revenue Including Street Lighting	Total Consumption Including Street Lighting	RESIDENTIAL SERVICE (including flat-rate water heaters)				
			Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh
	\$	kwh	\$	kwh	No.	kwh	¢
Toronto (including Leaside).....	39,418,268	3,403,326,427	11,853,534	943,197,519	177,672	442	1.26
Hamilton.....	17,993,471	2,278,088,443	4,323,075	384,194,025	73,247	437	1.13
Ottawa (including Eastview and Rockcliffe Park).....	11,656,181	1,216,350,017	4,828,387	641,638,146	81,251	658	0.75
North York Twp.....	12,224,770	1,019,869,416	6,664,663	577,942,767	87,597	550	1.15
Sarnia.....	6,578,476	1,001,680,898	805,995	60,777,230	14,539	348	1.33
Scarborough Twp.....	9,032,924	761,155,827	4,887,728	415,009,472	65,534	528	1.18
Etobicoke Twp. (including Thistletown).....	8,068,092	734,561,756	3,914,019	363,630,374	52,207	580	1.08
London.....	6,926,863	611,593,190	2,946,790	232,735,201	50,102	387	1.27
St. Catharines.....	4,939,877	471,385,392	1,714,915	135,999,758	23,473	483	1.26
Windsor.....	4,605,157	397,824,994	1,478,236	133,113,320	34,654	320	1.11
Oshawa.....	3,266,342	391,278,082	1,096,247	132,721,548	18,525	597	0.83
Kitchener.....	4,142,975	373,015,431	1,670,059	150,983,571	23,703	536	1.11
York Twp.....	3,839,683	352,879,765	2,252,627	217,063,080	39,357	460	1.04
Toronto Twp.....	3,595,189	343,988,472	1,403,193	121,385,945	16,708	605	1.16
Oakville.....	2,626,423	261,115,495	1,043,334	85,507,264	12,420	\$605	1.22
Sudbury.....	2,817,858	220,504,709	1,609,915	145,004,091	21,611	559	1.11
Kingston.....	2,356,230	219,861,129	1,009,335	98,789,908	13,941	591	1.02
Brantford.....	2,279,410	217,634,406	944,674	83,258,062	15,476	448	1.13
Peterborough.....	2,171,505	208,062,712	971,849	91,158,262	14,264	\$559	1.07
Port Arthur.....	2,079,593	206,303,422	845,404	91,980,498	12,529	612	0.92
Fort William.....	1,793,690	201,862,381	790,562	102,729,773	12,471	686	0.77
East York Twp.....	2,126,830	200,263,178	1,294,070	124,409,622	23,023	450	1.04
Guelph.....	2,275,148	186,069,213	940,213	72,856,891	11,633	522	1.29
Burlington.....	2,321,075	170,975,737	1,430,599	105,931,574	13,659	646	1.35
New Toronto.....	1,303,245	156,983,204	227,467	21,688,143	4,005	451	1.05
Welland.....	1,625,485	139,848,259	504,601	33,831,637	10,193	277	1.49
Belleville.....	1,217,600	123,280,361	586,865	62,582,007	9,332	559	0.94
Galt.....	1,386,886	121,493,546	541,431	47,027,896	8,273	474	1.15
Chatham.....	1,616,634	102,525,581	470,965	27,336,263	8,352	273	1.72
Woodstock.....	1,050,821	99,339,037	455,103	41,457,491	6,736	513	1.10
Waterloo.....	1,110,421	97,751,776	442,749	43,754,880	6,336	575	1.01
Barrie.....	974,647	96,467,334	455,224	45,704,420	6,707	568	1.00
Trenton.....	765,618	92,314,310	236,125	24,906,514	3,922	529	0.95
Niagara Falls.....	1,063,612	90,985,361	383,937	31,109,171	6,815	380	1.23
St. Thomas.....	1,037,245	86,342,680	507,352	39,185,672	7,482	436	1.29
Stratford.....	1,015,966	85,860,432	443,413	38,714,103	6,302	512	1.15
Brampton.....	1,040,315	85,751,115	475,413	38,773,998	6,350	509	1.23
Port Credit.....	646,282	83,111,872	163,585	15,673,576	2,678	488	1.04
North Bay.....	1,000,153	81,129,138	479,376	41,784,986	6,570	530	1.15
Brockville.....	795,885	81,078,613	340,384	32,726,930	5,743	\$500	1.04

§Estimated.

AND CONSUMPTION

December 31, 1962

Electrical Utilities

of total consumption)

COMMERCIAL SERVICE (including flat-rate water heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Avg. Cost per Kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
9,454,179	656,945,746	25,956	2,109	1.44	17,067,901	1,752,305,510	7,155	452,209	20,409	0.97
2,593,584	221,775,310	8,857	2,087	1.17	10,655,083	1,651,687,908	1,309	297,620	105,149	0.65
5,934,004	510,902,720	11,312	3,764	1.16	502,326	49,032,431	207	16,297	19,739	1.02
3,437,075	256,374,732	5,070	4,214	1.34	1,832,792	170,298,557	762	55,754	18,624	1.08
439,625	30,262,777	855	2,950	1.45	5,251,342	907,786,611	176	112,247	429,823	0.58
1,964,376	152,393,198	2,851	4,454	1.29	1,838,123	179,931,957	360	51,133	41,651	1.02
1,460,277	105,376,976	2,282	3,848	1.39	2,379,872	253,072,474	822	66,474	25,656	0.94
1,595,701	122,989,638	2,668	3,842	1.30	2,209,136	248,654,151	543	63,365	38,161	0.89
844,444	50,614,270	2,414	1,747	1.67	2,263,828	279,613,764	309	61,996	75,408	0.81
906,511	70,636,710	1,980	2,973	1.28	1,887,980	182,925,461	766	61,461	19,938	1.03
504,439	44,654,789	1,701	2,188	1.13	1,550,102	208,494,751	282	47,911	61,612	0.74
759,398	53,148,385	1,063	\$3,391	1.43	1,582,823	163,149,175	361	44,143	37,661	0.97
646,814	50,144,583	1,352	3,091	1.29	790,967	79,565,125	493	24,711	13,449	0.99
503,597	36,292,746	647	4,674	1.39	1,556,640	182,925,461	201	36,668	75,840	0.85
403,959	28,991,708	632	3,823	1.39	1,136,130	145,157,437	125	27,623	96,772	0.78
834,701	50,671,226	2,157	1,958	1.65	257,403	20,580,700	277	7,488	6,192	1.25
820,612	67,549,649	2,177	2,586	1.21	452,279	50,798,044	217	15,429	19,508	0.89
424,264	35,120,430	1,585	1,847	1.21	833,044	96,009,754	301	28,925	26,581	0.87
467,453	31,157,906	666	1,935	1.50	642,783	82,111,344	272	21,186	25,157	0.78
542,878	48,418,266	1,681	2,400	1.12	617,420	62,656,658	57	24,470	91,603	0.99
414,514	41,221,486	1,568	2,191	1.01	479,353	54,008,722	210	20,213	21,432	0.88
455,514	39,338,206	975	3,362	1.16	289,829	32,478,070	87	9,359	31,109	0.89
400,444	25,586,829	1,044	2,042	1.57	822,748	84,895,693	141	22,065	50,175	0.97
401,859	25,695,192	667	3,210	1.56	464,520	38,504,531	140	12,011	22,919	1.21
146,249	11,772,039	282	3,479	1.24	907,492	122,803,822	39	25,459	262,401	0.74
278,075	18,514,708	568	2,716	1.50	779,636	85,173,114	106	21,547	66,960	0.92
317,394	25,909,832	807	2,676	1.22	270,222	32,870,194	134	9,137	20,442	0.82
262,035	15,663,004	948	1,377	1.67	524,885	56,507,686	143	17,225	32,930	0.93
476,093	23,332,185	1,228	1,583	2.04	584,686	48,757,133	268	15,812	15,161	1.20
153,879	11,163,446	361	2,577	1.38	402,092	44,581,100	135	12,149	27,519	0.90
301,571	20,500,954	546	3,129	1.47	315,563	31,481,782	96	8,769	27,328	1.00
268,722	19,613,570	533	3,067	1.37	238,006	30,182,544	107	9,138	23,507	0.79
97,535	8,109,180	265	2,550	1.20	410,382	58,455,176	72	11,487	67,656	0.70
378,677	31,656,515	569	4,636	1.20	248,773	26,135,800	51	7,407	42,706	0.95
183,724	13,161,796	429	2,557	1.40	322,758	33,093,624	110	9,174	25,071	0.98
225,331	15,706,431	688	1,902	1.43	296,678	29,307,938	150	9,820	16,282	1.01
204,105	14,223,485	336	3,528	1.43	326,983	31,755,512	99	8,416	26,730	1.03
81,795	5,942,507	168	2,948	1.38	388,051	60,980,129	11	8,504	461,971	0.64
349,166	25,236,898	1,157	1,818	1.38	143,841	12,853,254	145	4,281	7,387	1.12
156,582	12,078,157	366	\$1,529	1.30	274,649	35,143,646	48	9,206	61,013	0.78

**CUSTOMERS, REVENUE,
for the Year Ended
(By Municipalities,**

	Popula- tion	Total Customers	Peak Load Decem- ber 1962	RESIDENTIAL SERVICE (including flat-rate water heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh
	No.	No.	kw	\$	kwh	No.	kwh	¢
Acton.....	4,290	1,328	4,470	91,736	7,949,252	1,214	546	1.15
Ailsa Craig.....	516	224	459	10,192	874,190	203	359	1.17
Ajax.....	7,720	2,250	6,815	144,714	11,339,993	2,073	456	1.28
Alexandria.....	2,488	899	2,328	48,496	4,719,847	811	485	1.03
Alfred.....	965	314	689	17,131	1,315,530	284	386	1.30
Alliston.....	3,046	1,126	2,492	59,714	5,618,269	935	501	1.06
Almonte.....	3,448	1,118	2,272	62,996	6,387,318	1,035	514	0.99
Alvinston.....	645	331	322	9,125	513,713	302	\$158	1.78
Amherstburg.....	4,440	1,454	3,749	92,352	8,260,851	1,298	530	1.12
Ancaster Twp. (including Ancaster).....	13,661	1,121	2,732	108,388	8,361,561	1,035	673	1.30
Apple Hill.....	400	119	123	4,454	283,860	101	234	1.57
Arkona.....	456	184	383	14,050	1,029,906	173	496	1.36
Arnprior.....	5,546	1,784	4,841	107,407	10,420,258	1,641	529	1.03
Arthur.....	1,278	511	919	27,703	2,392,780	458	435	1.16
Athens.....	984	374	634	15,935	1,702,367	356	398	0.94
Atikokan Twp.....	6,336	1,740	3,912	158,255	13,090,220	1,593	\$672	1.21
Aurora.....	9,141	2,814	6,359	168,385	14,731,359	2,554	481	1.14
Avonmore.....	243	114	200	7,811	470,383	102	384	1.66
Aylmer.....	4,462	1,560	4,097	80,152	8,671,939	1,410	513	0.92
Ayr.....	1,051	385	858	19,932	1,766,488	316	466	1.13
Baden.....	920	287	931	18,619	1,661,583	271	511	1.12
†Bala.....	*521	832	426	34,099	1,423,100	751	158	2.40
Bancroft.....	2,398	804	1,660	51,825	3,599,643	649	462	1.44
Barrie.....	22,048	7,347	21,312	455,224	45,704,420	6,707	568	1.00
Barry's Bay.....	1,442	411	549	14,708	1,119,813	382	244	1.31
Bath.....	691	251	453	16,516	1,194,544	224	444	1.38
Beachburg.....	539	218	399	14,871	881,083	203	362	1.69
Beachville.....	879	305	2,242	18,330	1,628,873	293	463	1.13
Beamsville.....	2,584	905	1,842	50,225	4,378,899	783	466	1.15
†Beardmore.....	1,125	333	588	23,711	1,469,000	254	482	1.61
Beaverton.....	1,171	578	1,384	26,526	2,444,160	525	388	1.09
Beeton.....	834	315	601	19,644	1,450,330	296	408	1.35
Belle River.....	1,894	711	763	32,009	1,762,669	655	224	1.82
Belleville.....	30,332	10,273	26,475	586,865	62,582,007	9,332	559	0.94
Blenheim.....	3,147	1,196	1,860	45,374	3,053,087	1,061	240	1.49
†Blind River.....	3,894	1,185	2,355	87,397	5,636,800	999	470	1.55
Bloomfield.....	721	315	647	15,534	1,369,847	295	387	1.13
Blyth.....	756	337	836	16,945	1,433,490	299	400	1.18
Bobcaygeon.....	1,233	801	1,018	33,982	2,239,225	675	276	1.52
Bolton.....	2,105	665	1,312	58,993	4,364,508	622	585	1.35

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Excluding summer population.

§Estimated.

AND CONSUMPTION

December 31, 1962

Alphabetically Arranged)

COMMERCIAL SERVICE (including flat-rate water heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Avg. Cost per Kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
26,653	1,616,317	73	1,845	1.65	123,917	10,450,576	41	3,230	21,241	1.19
3,557	231,145	17	1,133	1.54	5,139	332,100	4	173	6,919	1.55
35,870	2,389,616	109	1,827	1.50	189,398	18,092,826	68	5,426	22,173	1.05
21,360	1,460,382	69	1,764	1.46	34,597	3,233,855	19	924	14,184	1.07
5,524	316,365	20	1,318	1.75	9,090	653,720	10	287	5,448	1.39
32,068	1,843,345	157	978	1.74	37,153	3,370,046	34	1,134	8,260	1.10
18,564	1,481,364	61	2,024	1.25	33,951	3,781,136	22	1,189	14,322	0.90
5,945	286,860	21	455	2.07	1,584	66,955	8	50	697	2.37
39,570	2,437,860	122	1,665	1.62	69,294	6,322,284	34	1,868	15,496	1.10
23,055	999,540	79	1,054	2.31	6,053	467,820	7	142	5,569	1.29
1,318	62,370	18	289	2.11	3,174	143,450	2	84	5,977	2.21
2,666	175,999	9	1,630	1.51	54,453	5,368,461	20	1,605	22,369	1.01
47,927	3,727,358	123	2,525	1.29	5,217	308,565	14	202	1,837	1.69
8,165	461,920	39	987	1.77	847	49,600	2	47	2,067	1.71
2,848	218,870	16	1,140	1.30	37,846	4,447,804	13	860	28,512	0.85
62,116	4,027,212	134	2,504	1.54	112,703	9,934,373	44	3,079	18,815	1.13
70,947	4,993,926	216	1,927	1.42	972	31,500	1	38	2,625	3.09
2,381	121,550	11	921	1.96	76,425	6,675,736	32	2,658	17,385	1.14
46,336	3,730,873	118	2,635	1.24	10,745	549,357	14	343	3,270	1.96
10,913	679,383	55	1,029	1.61	18,138	1,403,760	5	570	23,396	1.29
2,686	182,076	11	1,379	1.48	1,217	81,100	7	45	965	1.50
14,951	680,925	74	767	2.20	14,141	852,335	16	453	4,439	1.66
31,942	1,531,934	139	918	2.09	238,006	30,182,544	107	9,138	23,507	0.79
268,722	19,613,570	533	3,067	1.37	1,022	83,700	4	35	1,744	1.22
5,753	427,865	25	1,426	1.34	664	64,490	1	11	5,374	1.03
5,094	235,025	26	753	2.17	7,815	493,120	5	195	8,219	1.58
1,975	104,706	10	873	1.89	87,766	11,963,530	2	1,936	498,480	0.73
1,936	111,620	10	930	1.73	12,574	850,165	13	403	5,450	1.48
20,201	1,197,287	109	915	1.69	112	500	2	9	21	—
15,332	779,000	77	843	1.97	24,108	2,153,410	14	879	12,818	1.12
11,493	879,090	39	1,878	1.31	5,297	346,120	7	124	4,120	1.53
2,879	138,410	12	961	2.08	4,259	302,866	6	114	4,206	1.41
15,572	866,240	50	1,444	1.80	270,222	32,870,194	134	9,137	20,442	0.82
317,394	25,909,832	807	2,676	1.22	28,426	1,597,555	28	860	4,755	1.78
34,792	1,967,824	107	1,533	1.77	20,793	1,396,600	5	439	23,277	1.49
53,459	3,128,400	181	1,440	1.71	2,207	58,023	6	153	806	3.80
3,395	212,818	14	1,267	1.60	16,338	1,387,595	7	404	16,519	1.18
6,657	409,065	31	1,100	1.63	7,720	350,378	9	274	3,244	2.20
18,064	862,661	117	614	2.09	6,234	429,105	13	193	2,751	1.45
13,833	819,652	30	2,277	1.69						

CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1962	RESIDENTIAL SERVICE (including flat-rate water heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh
	No.	No.	kw	\$	kwh	No.	kwh	¢
Bothwell	806	328	466	12,676	952,132	287	276	1.33
Bowmanville	7,347	2,520	7,478	137,200	14,721,896	2,337	525	0.93
Bracebridge	3,032	1,169	363	70,275	5,798,215	930	520	1.21
Bradford	2,344	847	2,203	50,842	4,576,718	729	523	1.11
Braeside	533	159	1,798	8,067	637,455	151	352	1.27
Brampton	22,101	6,785	20,112	475,413	38,773,998	6,350	509	1.23
Brantford	54,372	17,362	46,807	944,674	83,258,062	15,476	448	1.13
Brantford Twp.	7,997	2,389	7,296	269,620	17,549,533	2,209	662	1.54
Brechin	268	96	178	3,537	350,388	82	356	1.01
Bridgeport	1,702	467	1,002	34,005	2,883,937	439	547	1.18
Brigden	540	218	279	5,940	426,150	186	191	1.39
Brighton	2,545	1,035	1,843	53,583	5,103,566	952	447	1.05
Brockville	17,949	6,157	17,962	340,384	32,726,930	5,743	\$500	1.04
Brussels	831	379	734	23,403	1,794,417	339	441	1.30
Burford	1,066	423	941	29,065	2,445,675	379	538	1.19
Burgessville	259	100	221	5,858	482,243	78	515	1.21
Burk's Falls	926	355	837	21,930	1,587,612	321	412	1.38
Burlington	48,482	14,466	39,596	1,430,599	105,931,574	13,659	646	1.35
Cache Bay	780	194	274	9,382	509,888	188	226	1.84
Caledonia	2,286	830	1,312	32,384	2,477,791	691	299	1.31
Campbellford	3,502	1,386	2,477	76,118	7,550,278	1,228	512	1.01
Campbellville	235	93	183	7,023	524,277	85	514	1.34
Cannington	1,003	453	754	20,942	1,772,127	373	\$432	1.18
Capreol	2,978	1,015	2,184	88,575	6,329,965	919	574	1.40
Cardinal	1,980	672	1,086	35,117	3,223,880	631	426	1.09
Carleton Place	4,756	1,778	3,773	106,110	8,552,617	1,657	430	1.24
Casselman	1,250	380	820	23,315	1,703,052	353	402	1.37
Cayuga	971	380	549	14,522	1,126,952	326	288	1.29
Chalk River	1,079	292	567	17,635	1,632,007	275	495	1.08
Chapleau Twp.	3,752	984	656	97,861	1,920,518	853	188	5.10
Chatham	29,681	9,848	22,381	470,965	27,336,263	8,352	273	1.72
Chatsworth	383	173	322	8,983	760,060	153	414	1.18
Chesley	1,667	738	1,345	35,140	3,162,601	602	438	1.11
Chesterville	1,270	461	1,563	24,694	2,323,100	420	461	1.06
Chippawa	3,340	1,081	1,623	61,480	4,357,429	984	369	1.41
Clifford	547	225	454	13,316	1,089,401	205	443	1.22
Clinton	3,462	1,283	2,667	80,965	6,697,780	1,150	485	1.21
†Cobalt	2,251	755	1,198	49,291	3,162,200	632	417	1.56
Cobden	926	390	914	19,029	2,062,579	360	477	0.92
Cobourg	9,775	3,617	10,506	202,138	20,007,806	3,278	509	1.01

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

§Estimated.

AND CONSUMPTION

December 31, 1962

COMMERCIAL SERVICE (including flat-rate water heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Avg. Cost per Kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
7,936	590,882	30	1,641	1.34	3,893	131,785	11	193	998	2.95
60,560	5,496,589	146	3,137	1.10	89,038	11,205,035	37	2,965	25,237	0.79
51,630	3,675,605	215	1,425	1.40	12,663	880,549	24	498	3,057	1.44
27,634	1,711,799	88	1,621	1.61	28,024	2,368,495	30	887	6,579	1.18
690	44,630	6	620	1.55	56,488	6,097,742	2	1,566	254,073	0.93
204,105	14,223,485	336	3,528	1.43	326,983	31,755,512	99	8,416	26,730	1.03
424,264	35,120,430	1,585	1,847	1.21	833,044	96,009,754	301	28,925	26,581	0.87
53,584	3,149,726	130	2,019	1.70	117,948	8,192,200	50	3,427	13,654	1.44
2,545	212,830	13	1,364	1.20	476	17,928	1	26	1,494	2.65
8,962	614,552	21	2,439	1.46	4,843	287,040	7	175	3,417	1.69
5,335	345,900	24	1,201	1.54	3,836	142,680	8	166	1,486	2.69
19,248	1,282,263	73	1,464	1.50	7,395	567,783	10	275	4,732	1.30
156,582	12,078,157	366	1,529	1.30	274,649	35,143,646	48	9,206	61,013	0.78
7,653	425,854	31	1,145	1.80	6,703	341,978	9	187	3,166	1.96
9,761	618,849	37	1,394	1.58	4,863	299,761	7	166	3,569	1.62
3,700	178,535	19	783	2.07	2,880	56,130	3	103	1,559	5.13
9,319	539,990	30	1,500	1.73	10,367	733,280	4	247	15,277	1.41
401,859	25,695,192	667	3,210	1.56	464,520	38,504,531	140	12,011	22,919	1.21
745	28,740	3	798	2.59	18,462	753,045	3	421	20,918	2.45
22,700	1,484,929	116	1,067	1.53	11,188	829,274	23	311	3,005	1.35
33,700	2,793,436	133	1,750	1.21	29,663	3,119,780	25	815	10,399	0.95
1,220	80,720	7	961	1.51	430	38,200	1	7	3,183	1.13
8,739	445,227	69	538	1.96	5,433	310,002	11	162	2,349	1.75
20,629	1,180,421	92	1,069	1.75	13,852	1,368,190	4	321	28,504	1.01
8,575	576,060	36	1,333	1.49	1,487	123,590	5	47	2,060	1.20
29,431	1,691,544	90	1,566	1.74	50,781	4,928,911	31	1,441	13,250	1.03
8,883	519,808	21	2,063	1.71	13,180	714,250	6	385	9,920	1.85
10,988	693,736	42	1,376	1.58	4,973	156,355	12	212	1,086	3.18
4,497	346,098	15	1,923	1.30	2,588	214,450	2	90	8,935	1.21
50,632	868,180	112	646	5.83	17,467	538,885	19	193	2,364	3.24
476,093	23,332,185	1,228	1,583	2.04	584,686	48,757,133	268	15,812	15,161	1.20
4,707	269,100	19	1,180	1.75	719	27,675	1	23	2,306	2.60
17,291	973,993	108	752	1.78	13,242	831,792	28	480	2,476	1.59
7,529	539,642	32	1,405	1.40	38,948	4,095,838	9	1,032	37,924	0.95
21,730	1,156,798	84	1,148	1.88	5,872	558,855	13	195	3,582	1.05
3,365	223,370	14	1,330	1.51	3,641	298,280	6	91	4,143	1.22
35,734	2,349,492	105	1,865	1.52	21,846	1,452,350	28	643	4,322	1.50
19,639	978,300	117	697	2.01	9,417	754,100	6	204	10,474	1.25
7,361	514,913	24	1,788	1.43	3,527	158,573	6	197	2,202	2.22
71,187	5,530,261	264	1,746	1.29	180,008	21,863,801	75	5,930	24,293	0.82

CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1962	RESIDENTIAL SERVICE (including flat-rate water heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh
	No.	No.	kw	\$	kwh	No.	kwh	¢
Cochrane.....	4,595	1,332	3,012	94,074	7,262,156	1,115	543	1.30
Colborne.....	1,356	599	1,314	31,868	2,708,497	492	459	1.18
Coldwater.....	775	278	638	15,283	1,460,580	257	474	1.05
Collingwood.....	8,359	3,177	6,745	146,587	14,408,509	2,906	413	1.02
Comber.....	606	234	376	8,380	539,180	205	219	1.55
Coniston.....	2,705	683	1,467	57,952	4,597,270	664	577	1.26
Cookstown.....	672	252	443	13,575	1,199,480	232	431	1.13
Cottam.....	642	249	302	10,488	797,023	224	297	1.32
Courtright.....	544	203	183	7,368	464,010	192	201	1.59
Creemore.....	832	365	716	18,110	1,606,270	307	436	1.13
Dashwood.....	404	187	320	12,685	823,391	178	385	1.54
Deep River.....	5,428	1,467	4,380	133,908	12,063,578	1,326	758	1.11
Delaware.....	389	142	280	10,731	754,491	124	507	1.42
Delhi.....	3,610	1,472	3,286	65,660	5,762,627	1,305	368	1.14
Deseronto.....	1,779	626	1,058	30,989	2,862,058	585	408	1.08
Dorchester.....	941	327	599	17,207	1,401,683	307	380	1.23
Drayton.....	627	271	503	16,518	1,124,119	245	382	1.47
Dresden.....	2,343	933	1,431	36,493	2,425,127	839	241	1.50
Drumbo.....	405	173	305	9,842	835,292	164	424	1.18
Dryden.....	6,203	1,908	3,695	149,124	11,869,182	1,777	557	1.26
Dublin.....	303	126	377	6,514	576,620	112	429	1.13
Dundalk.....	929	450	740	21,370	1,742,880	400	363	1.23
Dundas.....	13,507	4,336	10,891	278,963	22,103,264	4,022	\$470	1.26
Dunnville.....	5,414	1,980	3,823	70,104	4,899,645	1,761	232	1.43
Durham.....	2,230	875	1,785	44,365	3,722,770	733	423	1.19
Dutton.....	808	353	503	12,946	945,029	323	244	1.37
East York Twp.....	70,057	24,085	46,584	1,294,070	124,409,622	23,023	450	1.04
Eganville.....	1,489	516	652	26,703	1,800,490	421	356	1.48
†Elk Lake Townsite.....	\$650	227	399	11,401	735,500	166	369	1.55
Elmira.....	3,507	1,238	4,571	79,618	6,886,496	1,128	509	1.16
Elmvale.....	942	406	750	21,480	1,946,500	365	444	1.10
Elmwood.....	\$450	134	218	5,118	426,220	125	284	1.20
Elora.....	1,490	542	938	36,634	2,507,279	464	450	1.46
Embro.....	553	237	463	14,706	1,219,977	190	535	1.21
†Englehart.....	1,741	624	1,074	40,022	2,442,200	521	391	1.64
Erleau.....	475	361	415	13,762	1,062,333	327	271	1.30
Erie Beach.....	*154	138	68	5,894	199,380	133	125	2.96
Erin.....	1,058	425	727	23,325	1,883,940	384	409	1.24
Espanola.....	5,360	1,351	2,908	123,730	8,608,282	1,258	570	1.44
Essex.....	3,441	1,212	2,076	52,261	3,787,180	1,078	293	1.38

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Excluding summer population.

§Estimated.

AND CONSUMPTION

December 31, 1962

COMMERCIAL SERVICE (including flat-rate water heaters)					INDUSTRIAL POWER SERVICE						
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Avg. Cost per Kwh	
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢	
60,814	3,222,829	192	1,399	1.89	19,704	1,517,685	25	543	5,059	1.30	
16,676	809,092	97	695	2.06	10,160	691,991	10	253	5,767	1.47	
3,657	225,501	16	1,174	1.62	8,661	702,514	5	294	11,709	1.23	
71,198	5,414,555	200	2,256	1.31	99,947	10,166,248	71	3,501	11,932	0.98	
5,971	319,864	21	1,269	1.87	7,502	299,155	8	244	3,116	2.51	
5,987	342,570	16	1,784	1.75	2,261	161,130	3	60	4,476	1.40	
2,767	137,200	15	762	2.02	2,686	152,600	5	96	2,543	1.76	
3,670	200,450	18	928	1.83	3,830	78,400	7	204	933	4.89	
2,495	167,587	9	1,552	1.49	729	72,601	2	16	3,025	1.00	
7,578	403,190	52	646	1.88	2,855	147,300	6	120	2,046	1.94	
1,519	74,920	6	1,041	2.03	4,999	204,450	3	151	5,679	2.44	
61,185	4,187,094	133	2,623	1.46	9,582	747,900	8	289	7,791	1.28	
3,512	145,496	18	674	2.41							
51,604	3,443,064	130	2,207	1.50	36,607	2,321,492	37	1,291	5,229	1.58	
6,631	429,682	26	1,377	1.54	17,675	1,354,768	15	633	7,526	1.30	
2,695	131,826	16	687	2.04	7,386	424,385	4	250	8,841	1.74	
4,412	215,855	23	782	2.04	3,718	142,181	3	125	3,949	2.61	
20,300	1,188,166	65	1,523	1.71	48,383	3,057,222	29	1,394	8,785	1.58	
1,257	68,856	6	956	1.83	1,657	44,600	3	70	1,239	3.72	
68,974	4,511,048	126	2,983	1.53	5,711	349,700	5	150	5,828	1.63	
3,752	280,920	12	1,951	1.34	7,274	338,000	2	173	14,083	2.15	
9,051	467,062	36	1,081	1.94	7,742	384,287	14	291	2,287	2.01	
155,752	9,935,586	227	\$2,501	1.57	114,424	9,307,383	87	3,933	8,915	1.23	
52,716	3,457,749	183	1,575	1.52	90,222	8,459,076	36	2,438	19,581	1.07	
21,884	1,212,965	118	857	1.80	30,356	1,664,095	24	968	5,778	1.82	
4,241	259,823	18	1,203	1.63	7,304	514,923	12	251	3,576	1.42	
455,514	39,338,206	975	3,362	1.16	289,829	32,478,070	87	9,359	31,109	0.89	
22,446	967,361	87	927	2.32	8,559	571,653	8	231	5,955	1.50	
6,438	399,300	59	564	1.61	7,395	233,000	2	255	9,708	3.17	
33,271	2,023,778	76	2,219	1.64	94,803	8,629,963	34	2,576	21,152	1.10	
9,386	672,897	32	1,752	1.39	2,091	169,342	9	74	1,568	1.23	
1,554	103,936	8	1,083	1.50	2,357	96,000	1	83	8,000	2.45	
12,152	544,351	72	630	2.23	8,128	550,240	6	227	7,642	1.48	
4,120	285,548	43	553	1.44	4,509	208,695	4	110	4,348	2.16	
20,472	1,085,800	99	914	1.89	7,038	678,000	4	163	14,125	1.04	
7,511	536,109	28	1,596	1.40	7,274	392,775	6	234	5,455	1.85	
575	19,900	5	332	2.89							
7,660	477,739	34	1,171	1.60	3,890	214,180	7	162	2,550	1.82	
44,918	2,796,309	87	2,678	1.61	956	42,825	6	38	595	2.23	
41,446	2,654,578	103	2,148	1.56	24,055	1,261,680	31	870	3,392	1.91	

**CUSTOMERS, REVENUE,
for the Year Ended**

	Popula- tion	Total Customers	Peak Load Decem- ber 1962	RESIDENTIAL SERVICE (including flat-rate water heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh
	No.	No.	kw	\$	kwh	No.	kwh	¢
Etobicoke Twp. (including Thistletown).....	162,291	55,311	148,394	3,914,019	363,630,374	52,207	580	1.08
Exeter.....	3,124	1,298	2,592	82,530	6,396,202	1,078	494	1.29
Fergus.....	3,942	1,415	3,752	98,038	7,495,368	1,226	509	1.31
Finch.....	373	181	302	10,538	839,623	169	414	1.26
Flesherton.....	513	254	496	10,024	1,091,192	226	402	0.92
Fonthill.....	2,474	820	1,584	54,160	4,333,322	735	491	1.25
Forest.....	2,147	928	1,664	48,004	4,821,600	849	473	1.00
Forest Hill.....	20,677	8,430	16,376	585,986	56,968,480	8,017	592	1.03
Fort William.....	45,698	14,249	41,225	790,562	102,729,773	12,471	686	0.77
Frankford.....	1,610	652	1,082	34,431	3,217,037	612	438	1.07
Galt.....	27,679	9,364	26,422	541,431	47,027,896	8,273	474	1.15
Georgetown.....	10,678	3,381	9,624	234,844	19,815,706	3,129	528	1.19
†Geraldton.....	3,602	1,121	1,692	71,548	4,188,900	923	378	1.71
Glencoe.....	1,140	499	739	14,914	1,240,334	431	240	1.20
Goderich.....	6,567	2,475	7,077	146,340	12,398,631	2,259	457	1.18
†Gogama.....	\$500	155	310	14,152	513,300	133	322	2.76
Grand Bend.....	*764	852	609	45,213	2,037,280	772	220	2.22
Grand Valley.....	696	326	582	15,920	1,180,230	261	377	1.35
Granton.....	284	122	128	6,770	418,304	97	359	1.62
Gravenhurst.....	3,192	1,363	2,676	59,932	6,535,561	1,227	444	0.92
Grimsby.....	5,478	1,955	3,784	102,703	7,560,970	1,748	\$362	1.36
Guelph.....	39,790	12,818	39,072	940,213	72,856,891	11,633	522	1.29
Hagersville.....	2,032	784	1,825	30,192	2,378,052	610	325	1.27
†Haileybury.....	2,684	918	1,847	66,098	4,341,300	744	486	1.52
Hamilton.....	266,891	83,413	403,175	4,323,075	384,194,025	73,247	437	1.13
Hanover.....	4,476	1,650	4,706	90,036	8,664,464	1,414	511	1.04
Harriston.....	1,698	675	1,420	38,679	3,183,409	612	433	1.22
Harrow.....	1,755	698	1,388	43,722	3,829,577	596	535	1.14
Hastings.....	915	448	638	18,879	1,631,180	423	321	1.16
Havelock.....	1,283	470	831	25,024	1,946,035	439	369	1.29
Hawkesbury.....	8,823	2,126	4,401	148,596	11,747,107	1,980	494	1.26
Hearst.....	2,497	724	1,575	58,961	3,242,625	644	420	1.82
Hensall.....	946	371	850	20,291	1,783,529	296	502	1.14
†Hepworth.....	335	129	194	7,404	459,800	114	336	1.61
Hespeler.....	4,670	1,504	5,874	75,794	5,919,590	1,339	368	1.28
Highgate.....	382	167	235	4,625	342,049	126	226	1.35
Holstein.....	179	93	149	3,650	299,090	75	332	1.22
†Hornepayne.....	\$1,500	493	856	51,746	2,188,900	432	422	2.36
†Hudson Townsite.....	\$600	222	627	10,764	514,600	184	233	2.09
Huntsville.....	2,993	1,223	2,744	70,644	6,219,216	984	527	1.14

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Excluding summer population.

\$Estimated.

AND CONSUMPTION

December 31, 1962

COMMERCIAL SERVICE (including flat-rate water heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Avg. Cost per Kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
1,460,277	105,376,976	2,282	3,848	1.39	2,379,872	253,072,474	822	66,474	25,656	0.94
33,539	1,891,774	184	857	1.77	29,549	1,718,496	36	953	3,978	1.72
33,651	1,696,490	156	906	1.98	79,057	6,178,511	33	2,251	15,602	1.28
1,761	88,990	8	927	1.98	2,946	101,660	4	119	2,118	2.90
4,892	349,980	26	1,122	1.40	1,509	101,680	2	65	4,237	1.48
15,199	847,669	75	942	1.79	4,224	217,002	10	131	1,808	1.95
21,107	1,513,447	54	2,336	1.39	13,585	1,172,975	25	485	3,910	1.16
183,465	15,281,510	408	3,121	1.20	11,534	1,269,730	5	370	21,162	0.91
414,514	41,221,486	1,568	2,191	1.01	479,353	54,008,722	210	20,213	21,432	0.88
5,203	343,919	34	843	1.51	3,192	311,288	6	124	4,323	1.03
262,035	15,663,004	948	1,377	1.67	524,885	56,507,686	143	17,225	32,930	0.93
66,375	4,407,288	205	1,792	1.51	169,792	19,817,624	47	4,465	35,138	0.86
41,640	2,362,800	181	1,088	1.76	2,774	102,500	17	86	502	2.71
15,319	1,037,723	53	1,632	1.48	8,502	382,367	15	366	2,124	2.22
49,494	3,043,328	149	1,702	1.63	185,890	15,659,067	67	5,327	19,476	1.19
4,457	160,300	20	668	2.78	5,591	297,900	2	75	12,413	1.88
26,176	1,368,618	80	1,426	1.91	5,319	247,150	9	183	2,288	2.15
7,336	354,490	56	528	2.07	147	350	1	7		
1,668	64,185	24	223	2.60	22,597	2,283,552	31	904	6,139	0.99
30,441	2,604,583	105	2,067	1.17	34,184	2,700,972	27	931	8,336	1.27
71,956	4,648,175	180	\$2,083	1.55	822,748	84,895,693	141	22,065	50,175	0.97
400,444	25,586,829	1,044	2,042	1.57	37,278	2,034,341	27	1,462	6,279	1.83
28,949	1,732,709	147	982	1.67	4,539	375,300	9	157	3,475	1.21
44,317	2,232,700	165	1,128	1.98	10,655,083	1,651,687,908	1,309	297,620	105,149	0.65
2,593,584	221,775,310	8,857	2,087	1.17	66,824	6,364,950	38	2,452	13,958	1.05
35,007	2,356,869	198	992	1.49	24,485	2,130,101	14	671	12,679	1.15
12,371	726,161	49	1,235	1.70	19,352	930,160	15	644	5,168	2.08
24,754	1,500,960	87	1,438	1.65	2,891	184,335	5	118	3,072	1.57
3,206	223,850	20	933	1.43	1,988	134,060	3	63	3,724	1.48
8,411	533,975	28	1,589	1.58	14,626	1,041,785	26	495	3,339	1.40
75,931	4,396,749	120	3,053	1.73	17,853	992,888	12	423	6,895	1.80
31,973	1,607,108	68	1,969	1.99	19,630	1,174,560	22	633	4,449	1.67
9,817	535,934	53	843	1.83						
3,224	156,900	15	872	2.05						
25,424	1,471,731	123	997	1.73	166,433	19,994,899	42	5,008	39,672	0.83
3,624	194,630	37	438	1.86	4,547	149,980	4	145	3,125	3.03
970	52,240	16	272	1.86	956	67,600	2	20	2,817	1.41
24,605	735,700	58	1,057	3.34	8,413	694,500	3	109	19,292	1.21
5,401	273,300	35	651	1.98	24,336	1,266,800	3	471	35,189	1.92
60,779	3,914,241	205	1,591	1.55	15,159	1,203,292	34	564	2,949	1.26

CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1962	RESIDENTIAL SERVICE (including flat-rate water heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh
	No.	No.	kw	\$	kwh	No.	kwh	¢
Ingersoll.....	7,265	2,381	6,370	121,256	8,311,617	2,073	334	1.46
Iroquois.....	1,072	393	1,052	28,064	2,390,564	338	589	1.17
Jarvis.....	771	276	460	12,902	848,896	254	279	1.52
†Jellicoe Townsite.....	\$200	67	86	3,600	191,400	55	290	1.88
Kapuskasing.....	7,157	2,259	4,627	130,764	11,116,947	2,058	450	1.18
†Kearns Townsite.....	\$500	191	323	14,561	975,200	177	459	1.49
Kemptville.....	2,007	802	1,931	49,691	4,203,177	745	470	1.18
Killaloe Station.....	905	290	378	17,335	923,856	270	285	1.88
Kincardine.....	2,875	1,261	2,363	59,970	5,911,910	1,138	433	1.01
†King City.....	1,850	540	1,384	21,871	1,461,701	523	559	1.50
†King Kirkland Townsite.....	\$550	197	307	13,980	901,200	176	427	1.55
Kingston.....	48,842	16,335	47,164	1,009,335	98,789,908	13,941	591	1.02
Kingsville.....	3,079	1,266	2,146	48,206	4,487,275	1,116	335	1.07
Kirkfield.....	186	106	116	5,271	349,325	99	294	1.51
†Kirkland Lake (including Swastika).....	\$18,600	6,025	10,373	371,769	24,159,800	5,080	396	1.54
Kitchener.....	77,190	25,127	78,110	1,670,059	150,983,571	23,703	\$536	1.11
Lakefield.....	2,167	780	1,720	41,513	4,205,504	647	542	0.99
Lambeth.....	2,192	649	1,297	49,080	3,518,611	622	\$482	1.39
Lanark.....	923	291	417	11,344	1,129,109	276	341	1.00
Lancaster.....	559	217	400	10,914	885,516	196	376	1.23
Larder Lake Twp.....	1,965	553	1,029	41,867	3,379,110	500	563	1.24
Latchford.....	493	159	201	6,149	420,876	147	239	1.46
Leamington.....	8,939	3,359	6,908	148,586	11,677,411	3,034	321	1.27
Lindsay.....	11,328	3,997	9,772	220,033	20,632,049	3,657	470	1.07
Listowel.....	4,106	1,612	3,931	91,192	8,167,169	1,452	469	1.12
London.....	165,709	53,313	130,662	2,946,790	232,735,201	50,102	387	1.27
Long Branch.....	10,950	4,342	7,568	247,516	21,002,904	4,137	423	1.18
L'Orignal.....	1,238	386	566	23,052	1,547,153	366	352	1.49
Lucan.....	907	365	706	24,865	1,922,973	343	467	1.29
Lucknow.....	1,030	481	886	19,092	1,713,090	370	386	1.11
Lynden.....	531	181	378	11,583	972,093	173	468	1.19
Madoc.....	1,527	601	1,164	26,865	2,687,860	528	424	1.00
Magnetawan.....	247	107	101	5,929	302,730	103	245	1.96
Markdale.....	1,111	455	954	20,370	1,870,843	359	434	1.09
Markham.....	5,005	1,569	3,981	124,945	9,762,557	1,463	556	1.28
Marmora.....	1,279	519	939	28,003	2,367,938	478	413	1.18
Martintown.....	400	126	211	5,559	440,500	110	334	1.26
Massey.....	1,262	363	631	30,252	1,662,779	322	430	1.82
†Matachewan Twp.....	\$950	306	363	14,523	870,894	263	276	1.67
†Matheson.....	938	320	737	20,333	1,454,600	251	483	1.40

†Six months' operation.

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

‡Estimated.

AND CONSUMPTION

December 31, 1962

COMMERCIAL SERVICE (including flat-rate water heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Avg. Cost per Kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
61,601	3,528,514	254	1,158	1.75	141,010	13,526,653	54	4,245	20,874	1.04
16,607	1,062,960	51	1,737	1.56	3,101	257,325	4	104	5,361	1.21
4,470	226,011	15	1,256	1.98	7,723	455,534	7	216	5,423	1.70
2,234	128,900	12	895	1.73						
74,531	4,570,787	169	2,254	1.63	10,027	624,241	32	454	1,626	1.61
2,541	153,500	13	984	1.66	576	31,600	1	15	2,633	1.82
28,975	2,137,873	46	3,873	1.36	19,800	1,345,085	11	641	10,190	1.47
5,733	303,152	19	1,330	1.89	546	27,860	1	21	2,322	1.96
26,525	1,687,422	100	1,406	1.57	40,725	3,145,039	23	1,222	11,395	1.29
5,341	265,759	15	3,543	2.01	552	23,020	2	54	2,302	2.40
3,422	237,700	21	943	1.44						
820,612	67,549,649	2,177	2,586	1.21	452,279	50,798,044	217	15,429	19,508	0.89
30,383	1,999,804	116	1,437	1.52	28,815	1,728,209	34	1,224	4,236	1.67
1,150	45,110	7	537	2.55						
197,506	12,674,400	917	1,152	1.56	60,549	6,148,900	28	1,043	18,300	0.98
759,398	53,148,385	1,063	\$3,391	1.43	1,582,823	163,149,175	361	44,143	37,661	0.97
23,354	1,511,284	115	1,095	1.55	9,480	656,731	18	371	3,040	1.44
9,262	436,592	25	\$945	2.12	1,743	91,815	2	32	3,826	1.90
2,699	201,876	12	1,402	1.34	3,955	281,060	3	145	7,807	1.41
4,680	329,959	21	1,309	1.42						
11,029	638,240	50	1,064	1.73	1,621	169,880	3	30	4,719	0.95
2,421	158,561	10	1,321	1.53	4,147	322,477	2	120	13,437	1.29
91,633	5,925,305	240	2,057	1.55	145,976	14,096,405	85	3,833	13,820	1.04
106,164	7,335,170	253	2,416	1.45	186,682	20,569,118	87	5,563	19,702	0.91
48,152	3,389,125	124	2,278	1.42	44,515	3,343,824	36	1,371	7,740	1.33
1,595,701	122,989,638	2,668	3,842	1.30	2,209,136	248,654,151	543	63,365	38,161	0.89
67,951	4,852,922	179	2,259	1.40	92,194	7,641,914	26	2,944	24,493	1.21
6,355	417,294	18	1,932	1.52	1,047	29,439	2	55	1,227	3.56
5,848	342,887	17	1,681	1.71	3,550	171,400	5	144	2,857	2.07
11,506	708,510	99	596	1.62	12,225	660,485	12	321	4,587	1.85
2,139	127,800	5	2,130	1.67	2,774	128,250	3	107	3,563	2.16
14,796	1,054,457	60	1,465	1.40	5,995	371,306	13	232	2,380	1.61
1,317	67,820	4	1,413	1.94						
15,483	970,825	89	909	1.59	3,766	252,730	7	122	3,009	1.49
49,225	3,201,355	86	3,102	1.54	20,875	1,190,864	20	682	4,962	1.75
11,378	739,687	34	1,813	1.54	2,578	208,300	7	67	2,480	1.24
1,874	109,690	14	653	1.71	790	21,500	2	47	896	3.67
12,128	613,657	41	1,247	1.98						
4,516	271,254	43	526	1.66						
13,251	803,400	67	999	1.65	4,330	193,500	2	135	8,063	2.24

CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1962	RESIDENTIAL SERVICE (including flat-rate water heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Avg. Cost per Kwh
	No.	No.	kw	\$	kwh	No.	kwh	¢
†Mattawa.....	3,340	840	1,598	70,193	3,639,400	715	424	1.93
Maxville.....	852	321	602	15,516	1,310,519	288	379	1.18
McGarry.....	2,738	471	1,016	37,768	3,105,380	416	622	1.22
Meaford.....	3,765	1,559	3,074	72,904	6,690,549	1,328	420	1.09
Merlin.....	619	256	384	8,539	655,451	190	287	1.30
Merrickville.....	894	366	596	18,310	1,478,499	344	358	1.24
Midland.....	8,827	2,943	9,836	144,973	17,358,820	2,726	531	0.84
Mildmay.....	856	319	549	14,841	1,392,580	243	478	1.07
Millbrook.....	876	331	545	20,067	1,673,122	315	443	1.20
Milton.....	5,683	1,816	4,604	129,501	10,676,084	1,650	539	1.21
Milverton.....	1,047	494	938	26,844	2,049,933	429	398	1.31
Mimico.....	17,707	7,042	10,554	344,650	32,323,602	6,734	400	1.07
Mitchell.....	2,276	936	2,311	55,998	4,299,023	845	424	1.30
Moorefield.....	312	133	336	7,072	591,912	118	418	1.19
Morrisburg.....	1,943	720	1,556	38,562	3,990,817	634	525	0.97
Mount Brydges.....	1,017	372	445	17,353	1,059,827	344	257	1.64
Mount Forest.....	2,640	1,059	2,385	60,592	5,529,140	953	483	1.10
Napanee.....	4,462	1,718	3,825	90,628	8,785,753	1,530	479	1.03
Neustadt.....	512	208	381	7,607	810,180	189	357	0.94
Newboro.....	276	152	110	7,290	354,551	143	207	2.06
Newburgh.....	576	193	314	11,360	767,589	165	388	1.48
Newbury.....	335	137	152	5,613	426,240	126	282	1.32
Newcastle.....	1,202	492	1,059	27,788	2,262,905	433	436	1.23
New Hamburg.....	2,133	727	1,493	45,926	4,006,035	659	507	1.15
†New Liskeard.....	4,814	1,648	4,167	122,020	7,868,200	1,356	484	1.55
Newmarket.....	8,169	2,788	7,933	169,197	15,944,516	2,387	557	1.06
New Toronto.....	11,844	4,326	28,327	227,467	21,688,143	4,005	451	1.05
Niagara.....	2,775	1,080	1,852	69,217	5,821,798	935	519	1.19
Niagara Falls.....	21,948	7,435	17,881	383,937	31,109,171	6,815	380	1.23
Nipigon Twp.....	2,741	762	1,838	42,390	4,793,488	692	577	0.88
North Bay.....	23,186	7,872	18,262	479,376	41,784,986	6,570	530	1.15
North York Twp.....	274,688	93,429	224,702	6,664,663	577,942,767	87,597	550	1.15
Norwich.....	1,684	697	1,052	38,801	3,022,412	577	437	1.28
Norwood.....	1,086	406	690	21,305	1,964,547	376	435	1.08
Oakville.....	44,268	13,177	58,851	1,043,334	85,507,264	12,420	\$605	1.22
Oil Springs.....	494	232	321	7,390	535,510	184	243	1.38
Omamee.....	817	317	475	14,764	1,209,317	268	376	1.22
Orangeville.....	4,830	1,785	4,057	123,505	10,284,915	1,606	534	1.20
Orillia.....	14,663	5,516	5,731	269,748	27,869,811	4,698	494	0.97
Orono.....	845	377	621	21,708	1,716,489	351	408	1.26

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

§Estimated.

AND CONSUMPTION

December 31, 1962

COMMERCIAL SERVICE (including flat-rate water heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Avg. Cost per Kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
42,566	1,884,200	123	1,277	2.26	24,855	1,488,500	2	477	62,021	1.67
7,491	434,974	29	1,250	1.72	4,464	147,250	4	155	3,068	3.03
13,988	804,969	52	1,290	1.74	1,079	76,390	3	22	2,122	1.41
35,790	2,484,558	196	1,056	1.44	47,752	3,894,484	35	1,405	9,273	1.23
9,604	591,047	62	794	1.62	3,463	132,461	4	96	2,760	2.61
2,820	176,890	15	983	1.59	4,383	362,480	7	167	4,315	1.21
55,770	5,036,052	143	2,935	1.11	153,854	18,531,199	74	7,113	20,868	0.83
7,022	411,310	68	504	1.71	4,313	261,436	8	138	2,723	1.65
4,380	225,740	15	1,254	1.94	196	11,800	1	5	983	1.66
50,880	3,357,347	145	1,930	1.52	68,606	5,932,498	21	1,759	23,542	1.16
11,977	606,333	48	1,053	1.98	11,015	621,498	17	402	3,047	1.77
126,461	9,652,327	269	2,990	1.31	58,358	4,649,630	39	1,949	9,935	1.26
18,268	991,928	68	1,216	1.84	47,945	3,557,070	23	1,309	12,888	1.35
1,883	114,497	13	734	1.64	5,287	373,750	2	127	15,573	1.41
20,481	1,497,335	77	1,620	1.37	7,841	683,472	9	261	6,328	1.15
5,232	245,914	23	891	2.13	7,731	292,500	5	235	4,875	2.64
28,973	2,004,500	80	2,088	1.45	17,950	1,170,510	26	625	3,752	1.53
50,306	3,730,423	153	2,032	1.35	40,354	3,646,087	35	1,495	8,681	1.11
1,515	86,895	17	426	1.74	2,152	163,660	2	89	6,819	1.31
1,338	59,720	9	553	2.24	.....	.....	.....	.....	.....	.....
4,217	176,150	24	612	2.39	3,297	154,250	4	106	3,214	2.14
1,361	87,250	10	727	1.56	169	3,160	1	11	263	5.35
12,514	798,694	48	1,387	1.57	10,898	870,511	11	304	6,595	1.25
14,337	820,216	48	1,424	1.75	22,980	1,526,377	20	668	6,360	1.51
85,902	4,634,300	274	1,409	1.85	60,849	4,149,200	18	1,414	19,209	1.47
141,693	9,481,675	348	2,271	1.49	86,384	8,318,277	53	2,593	13,079	1.04
146,249	11,772,039	282	3,479	1.24	907,492	122,803,822	39	25,459	262,401	0.74
25,107	1,403,819	128	914	1.79	8,064	560,062	17	258	2,745	1.44
378,677	31,656,515	569	4,636	1.20	248,773	26,135,800	51	7,407	42,706	0.95
24,385	2,191,006	66	2,766	1.11	13,392	2,033,152	4	363	42,357	0.66
349,166	25,236,898	1,157	1,818	1.38	143,841	12,853,254	145	4,281	7,387	1.12
3,437,075	256,374,732	5,070	4,214	1.34	1,832,792	170,298,557	762	55,754	18,624	1.08
17,282	864,618	111	649	2.00	3,546	165,325	9	113	1,531	2.14
6,905	436,481	25	1,455	1.58	3,622	171,155	5	164	2,853	2.12
403,959	28,991,708	632	3,823	1.39	1,136,130	145,157,437	125	27,623	96,772	0.78
1,668	75,291	16	392	2.21	8,820	902,124	32	191	2,349	0.98
6,095	273,950	44	519	2.22	3,889	300,169	5	87	5,003	1.30
41,669	2,732,523	134	1,699	1.52	33,731	2,738,341	45	1,376	5,071	1.23
176,756	13,788,969	676	1,700	1.28	316,670	33,052,257	142	12,353	19,397	0.96
6,090	392,800	23	1,423	1.55	3,874	285,640	3	118	7,934	1.36

CUSTOMERS, REVENUE,
for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1962	RESIDENTIAL SERVICE (including flat-rate water heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh
	No.	No.	kw	\$	kwh	No.	kwh	¢
Oshawa.....	63,022	20,508	77,843	1,096,247	132,721,548	18,525	597	0.83
Ottawa (including Eastview and Rockcliffe Park).....	295,768	92,770	216,590	4,828,387	641,638,146	81,251	658	0.75
Otterville.....	759	296	450	14,570	1,266,697	239	442	1.15
Owen Sound.....	17,815	6,230	13,566	366,493	35,445,782	5,782	511	1.03
Paisley.....	744	332	570	15,053	1,196,220	256	389	1.26
Palmerston.....	1,525	631	1,330	37,239	3,110,317	565	\$471	1.20
Paris.....	5,770	1,987	3,820	111,630	8,548,154	1,744	408	1.31
Parkhill.....	1,105	513	1,009	29,559	2,281,497	453	420	1.30
Parry Sound.....	6,116	2,075	3,152	139,895	11,260,320	1,883	498	1.24
Penetanguishene.....	4,842	1,388	3,029	68,935	7,406,111	1,273	485	0.93
Perth.....	5,529	2,053	4,598	119,198	10,320,212	1,866	461	1.15
Peterborough.....	51,907	15,202	39,174	971,849	91,158,262	14,264	\$559	1.07
Petrolia.....	3,743	1,329	2,194	54,711	3,551,200	1,111	266	1.54
Pickering.....	1,777	522	1,114	44,280	3,077,124	490	523	1.44
†Pickle Lake Landing Townsite	\$300	118	183	6,600	426,800	86	414	1.55
Picton.....	4,707	1,821	4,364	105,167	9,906,904	1,495	552	1.06
Plattsville.....	488	197	680	11,876	1,050,087	183	478	1.13
Point Edward.....	2,764	846	5,085	37,689	2,632,790	750	293	1.43
Port Arthur.....	44,419	14,267	49,257	845,404	91,980,498	12,529	612	0.92
Port Burwell.....	769	472	291	21,873	824,990	443	155	2.65
†Port Carling.....	*506	538	461	29,711	1,550,500	469	275	1.92
Port Colborne.....	15,090	4,637	8,637	203,553	15,335,755	4,051	315	1.33
Port Credit.....	6,801	2,857	12,603	163,585	15,673,576	2,678	488	1.04
Port Dover.....	3,125	1,568	2,623	54,830	4,048,943	1,336	253	1.35
Port Elgin.....	1,778	1,116	1,485	54,512	3,937,536	989	332	1.38
Port Hope.....	8,056	2,809	8,264	186,440	16,486,552	2,625	523	1.13
Port McNicoll.....	1,108	526	1,364	22,300	1,881,390	516	304	1.19
Port Perry.....	2,366	830	1,783	51,083	5,040,999	778	540	1.01
Port Rowan.....	803	298	350	11,175	788,790	266	247	1.42
Port Stanley.....	*1,453	1,169	1,058	53,988	3,623,750	1,110	272	1.49
†Powassan.....	1,063	376	693	26,912	1,939,300	298	542	1.39
Prescott.....	5,201	1,757	3,894	87,664	9,500,239	1,632	485	0.92
Preston.....	11,633	3,376	9,957	223,713	19,377,204	3,113	519	1.15
Priceville.....	136	65	57	2,924	141,940	58	204	2.06
Princeton.....	427	170	320	8,928	795,362	131	506	1.12
Queenston.....	510	169	392	12,954	1,321,263	164	671	0.98
Rainy River.....	1,121	430	685	41,604	1,671,920	395	353	2.49
†Red Lake Twp.....	2,643	1,156	2,045	78,564	4,731,000	927	425	1.66
Red Rock.....	1,828	343	1,030	23,274	2,672,276	318	700	0.87
Renfrew.....	8,555	2,724	4,931	155,453	15,308,423	2,478	515	1.02

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Excluding summer population.

§Estimated.

AND CONSUMPTION

December 31, 1962

COMMERCIAL SERVICE (including flat-rate water heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers Monthly Loads Billed	Monthly Consumption per Customer	Avg. Cost per Kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
504,439	44,654,789	1,701	2,188	1.13	1,550,102	208,494,751	282	47,911	61,612	0.74
5,934,004	510,902,720	11,312	3,764	1.16	502,326	49,032,431	207	16,297	19,739	1.02
5,951	335,510	50	559	1.77	2,321	98,025	7	74	1,167	2.37
136,461	10,924,486	305	2,985	1.25	147,962	14,007,893	143	5,753	8,163	1.06
9,258	484,590	68	594	1.91	3,299	238,960	8	89	2,489	1.38
16,235	970,472	50	\$1,320	1.67	11,834	854,930	16	480	4,453	1.38
38,111	2,656,591	207	1,069	1.43	52,709	5,067,523	36	2,029	11,730	1.04
14,922	818,642	45	1,516	1.82	15,236	828,620	15	434	4,603	1.84
58,606	3,719,972	169	1,834	1.58	28,985	2,424,271	23	801	8,784	1.20
24,395	2,073,330	93	1,858	1.18	32,229	3,678,196	22	1,188	13,933	0.88
54,120	4,294,705	144	2,485	1.26	50,133	4,448,141	43	1,784	8,620	1.13
467,453	31,157,906	666	\$1,935	1.50	642,783	82,111,344	272	21,186	25,157	0.78
38,106	1,903,690	181	876	2.00	48,877	2,449,302	37	1,207	5,516	2.00
9,538	688,839	29	1,979	1.38	5,752	466,630	3	195	12,962	1.23
3,065	197,500	31	531	1.55	922	44,100	1	18	3,675	2.09
66,956	4,726,739	290	1,358	1.42	30,996	2,573,630	36	1,071	5,957	1.20
2,280	119,300	11	904	1.91	16,570	1,564,775	3	407	43,466	1.06
23,072	1,454,958	65	1,865	1.59	147,033	14,178,781	31	4,544	38,115	1.04
542,878	48,418,266	1,681	2,400	1.12	617,420	62,656,658	57	24,470	91,603	0.99
5,317	240,690	26	771	2.21	643	7,930	3	44	220	—
17,172	749,500	63	991	2.29	1,377	109,200	6	48	1,517	1.26
122,017	6,875,627	493	1,162	1.77	149,002	15,728,436	93	4,445	14,094	0.95
81,795	5,942,507	168	2,948	1.38	388,051	60,980,129	11	8,504	461,971	0.64
33,998	2,170,867	193	937	1.57	53,012	5,345,729	39	1,566	11,422	0.99
25,027	1,490,386	113	1,099	1.68	13,349	778,886	14	359	4,636	1.71
59,880	4,234,034	139	2,538	1.41	166,083	17,685,266	45	4,859	32,750	0.94
3,546	235,790	8	2,456	1.50	29,662	1,607,040	2	994	66,960	1.85
13,266	979,796	38	2,149	1.35	7,038	554,600	14	269	3,301	1.27
6,700	403,404	29	1,159	1.66	731	29,270	3	26	813	2.50
11,289	615,970	41	1,252	1.83	8,539	381,130	18	365	1,764	2.24
12,361	695,600	74	783	1.78	943	30,300	4	34	631	3.11
38,805	2,802,850	108	2,163	1.38	36,845	3,680,386	17	1,290	18,041	1.00
51,441	3,305,620	151	1,824	1.56	228,102	21,272,668	112	7,347	15,828	1.07
797	45,700	7	544	1.74	1,594	60,550	3	63	1,682	2.63
3,729	219,725	36	509	1.70	.....	.....	.....	.....	.....	.....
5,082	421,033	5	7,017	1.21	.....	.....	.....	.....	.....	.....
13,959	519,743	31	1,397	2.69	3,166	163,045	4	59	3,397	1.94
52,358	3,198,500	220	1,212	1.64	11,310	475,200	9	280	4,400	2.38
13,826	1,123,676	24	3,902	1.23	1,502	168,000	1	54	14,000	0.89
58,509	4,535,717	182	2,077	1.29	82,896	8,673,031	64	3,043	11,293	0.96

CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1962	RESIDENTIAL SERVICE (including flat-rate water heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh
	No.	No.	kw	\$	kwh	No.	kwh	¢
Richmond.....	1,239	374	882	27,688	2,396,340	356	561	1.16
Richmond Hill.....	18,160	5,082	12,171	391,547	30,853,150	4,804	535	1.27
Ridgetown.....	2,579	1,059	1,645	35,455	2,552,869	870	245	1.39
Ripley.....	443	228	395	11,393	961,688	209	383	1.18
Riverside.....	18,272	5,578	8,637	318,854	23,219,844	5,419	357	1.37
Rockland.....	3,409	771	1,428	45,181	3,882,706	724	447	1.16
Rockwood.....	823	296	502	21,278	1,516,857	278	455	1.40
Rodney.....	1,095	461	641	18,810	1,327,296	421	\$277	1.42
Rosseau.....	229	131	138	5,748	343,320	123	233	1.67
Russell.....	571	213	394	10,717	1,065,852	197	451	1.01
St. Catharines.....	83,706	26,196	92,849	1,714,915	135,999,758	23,473	483	1.26
St. Clair Beach.....	1,440	432	781	33,363	2,197,838	414	442	1.52
St. George.....	739	296	584	12,492	1,221,708	268	380	1.02
St. Jacobs.....	676	252	608	14,102	1,191,268	202	491	1.18
St. Mary's.....	4,518	1,696	12,147	111,428	9,413,231	1,554	505	1.18
St. Thomas.....	22,399	8,021	17,622	507,352	39,185,672	7,482	436	1.29
Sandwich East Twp.....	22,052	6,285	7,903	355,404	18,086,022	5,977	252	1.97
Sandwich West Twp.....	29,152	8,097	16,171	596,283	37,609,804	7,690	408	1.59
Sarnia.....	50,551	15,570	140,997	805,995	60,777,230	14,539	348	1.33
Scarborough Twp.....	226,076	68,745	180,637	4,887,728	415,009,472	65,534	528	1.18
Schreiber Twp.....	2,141	683	1,601	42,267	4,949,057	636	648	0.85
Seaforth.....	2,352	911	2,031	48,147	4,106,830	804	426	1.17
Shelburne.....	1,300	595	1,129	31,559	2,620,480	536	407	1.20
Simcoe.....	8,663	3,312	9,502	129,490	13,119,239	2,953	370	0.99
Sioux Lookout.....	2,627	957	1,958	77,344	5,455,402	812	560	1.42
Smith's Falls.....	9,596	3,440	9,688	202,971	18,585,334	3,115	\$513	1.09
Smithville.....	846	376	670	14,233	1,039,263	277	313	1.37
Southampton.....	1,820	1,236	1,320	45,330	3,440,330	1,093	262	1.32
†South Porcupine Townsite....	\$5,800	1,983	2,943	107,175	7,084,900	1,700	347	1.51
South River.....	1,031	330	389	21,322	772,865	302	213	2.76
Springfield.....	513	182	288	8,368	733,192	174	351	1.14
Stamford Twp.....	31,340	9,442	19,186	635,153	49,571,857	8,909	464	1.28
Stayner.....	1,706	683	1,390	32,261	3,151,405	614	428	1.02
Stirling.....	1,309	550	1,169	31,985	2,892,259	490	492	1.11
Stoney Creek.....	6,521	2,071	4,713	151,411	13,879,156	1,953	592	1.09
Stouffville.....	3,389	1,130	2,690	89,121	6,755,847	1,038	542	1.32
Stratford.....	20,857	7,140	18,614	443,413	38,714,103	6,302	512	1.15
Strathroy.....	5,211	1,861	4,972	100,737	8,945,730	1,666	447	1.13
Streetsville.....	5,291	1,519	3,992	106,272	7,811,095	1,328	490	1.36
Sturgeon Falls.....	6,442	1,692	3,307	107,525	8,028,888	1,582	423	1.34

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

§Estimated.

AND CONSUMPTION

December 31, 1962

COMMERCIAL SERVICE (including flat-rate water heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Avg. Cost per Kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
9,544	620,740	18	2,874	1.54						
128,414	8,633,503	216	3,331	1.49	107,024	7,977,706	62	3,022	10,723	1.34
27,769	1,567,889	162	807	1.77	30,441	2,015,233	27	905	6,220	1.51
3,372	182,490	16	950	1.85	1,975	106,125	3	69	2,948	1.86
57,414	3,877,019	122	2,648	1.48	48,020	3,627,002	37	1,587	8,169	1.32
11,229	769,828	43	1,492	1.46	1,719	169,408	4	66	3,529	1.01
4,372	252,105	17	1,236	1.73	1,546	45,750	1	56	3,813	3.38
8,489	570,359	30	\$914	1.49	8,039	369,850	10	273	3,082	2.17
2,068	111,518	8	1,162	1.85						
2,360	170,423	13	1,092	1.38	606	32,830	3	35	912	1.84
844,444	50,614,270	2,414	1,747	1.67	2,263,828	279,613,764	309	61,996	75,408	0.81
3,980	251,530	11	1,906	1.58	3,189	136,180	7	127	1,621	2.34
6,222	481,520	22	1,824	1.29	6,805	488,301	6	199	6,782	1.39
10,577	624,840	41	1,270	1.69	6,539	225,690	9	265	2,090	2.90
30,949	2,040,787	97	1,753	1.52	411,791	62,023,719	45	10,123	114,859	0.66
183,724	13,161,796	429	2,557	1.40	322,758	33,093,624	110	9,174	25,071	0.98
111,584	6,230,773	234	2,219	1.79	126,894	6,331,473	74	3,401	7,130	2.00
228,312	14,587,430	334	3,640	1.57	132,189	9,223,367	73	3,195	10,529	1.43
439,625	30,262,777	855	2,950	1.45	5,251,342	907,786,611	176	112,247	429,823	0.58
1,964,376	152,393,198	2,851	4,454	1.29	1,838,123	179,931,957	360	51,133	41,651	1.02
14,009	1,187,350	46	2,151	1.18	3,716	507,600	1	109	42,300	0.73
25,068	1,562,534	83	1,569	1.60	20,783	1,431,151	24	732	4,969	1.45
14,846	1,013,492	46	1,836	1.46	6,035	323,360	13	246	2,073	1.87
107,296	8,220,704	292	2,346	1.31	161,041	17,761,617	67	5,121	22,092	0.91
49,758	2,049,369	138	1,238	2.43	11,538	1,113,040	7	228	13,250	1.04
111,010	8,998,389	292	\$1,920	1.23	54,796	5,691,917	33	1,815	14,374	0.96
13,334	656,957	85	644	2.03	13,565	806,038	14	413	4,798	1.68
21,756	1,180,691	127	775	1.84	19,770	1,288,830	16	553	6,713	1.53
52,866	2,884,400	275	874	1.83	3,350	229,500	8	115	2,391	1.46
9,280	363,294	24	1,261	2.55	8,330	403,342	4	133	8,403	2.07
1,367	116,620	6	1,620	1.17	1,488	49,575	2	91	2,066	3.00
200,763	11,137,672	425	2,184	1.80	190,043	16,670,017	108	5,937	12,863	1.14
10,452	734,255	50	1,224	1.42	9,267	830,910	19	351	3,644	1.12
11,537	748,733	44	1,418	1.54	8,083	614,833	16	317	3,202	1.31
41,185	3,046,873	100	2,539	1.35	8,759	604,799	18	337	2,800	1.45
33,800	1,723,009	79	1,818	1.96	13,574	601,034	13	402	3,853	2.26
225,331	15,706,431	688	1,902	1.43	296,678	29,307,938	150	9,820	16,282	1.01
51,620	3,598,053	142	2,112	1.43	73,147	5,822,066	53	2,468	9,154	1.26
50,839	2,890,758	164	1,469	1.76	46,893	4,572,118	27	1,300	14,111	1.03
45,731	2,812,325	96	2,441	1.63	7,071	644,493	14	197	3,836	1.10

CUSTOMERS, REVENUE,
for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1962	RESIDENTIAL SERVICE (including flat-rate water heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh
	No.	No.	kw	\$	kwh	No.	kwh	¢
Sudbury.....	80,523	24,045	48,681	1,609,915	145,004,091	21,611	559	1.11
Sunderland.....	594	263	506	12,957	1,221,230	240	424	1.06
Sundridge.....	796	312	481	16,998	1,174,988	277	353	1.45
Sutton.....	1,415	897	1,242	36,467	3,023,720	733	344	1.21
Swansea.....	9,256	3,594	6,681	210,834	19,733,011	3,432	479	1.07
Tara.....	487	235	547	11,335	1,006,832	211	398	1.13
Tavistock.....	1,225	513	1,106	30,387	2,542,485	403	526	1.20
Tecumseh.....	4,492	1,346	1,673	72,113	4,217,015	1,280	275	1.71
Teeswater.....	884	370	816	18,350	1,643,926	332	413	1.12
Terrace Bay Twp.....	1,928	446	1,687	41,983	5,294,164	409	1,079	0.79
Thamesford.....	1,195	416	978	33,602	2,558,251	393	542	1.31
Thamesville.....	1,020	445	881	16,933	1,247,501	391	266	1.36
Thedford.....	750	321	616	15,952	1,487,267	286	433	1.07
Thessalon.....	1,720	516	870	35,619	2,132,731	472	\$406	1.67
Thornbury.....	1,153	554	1,073	28,553	1,906,000	457	348	1.50
Thorndale.....	410	139	268	9,739	724,131	130	464	1.34
†Thornloe.....	199	40	45	2,512	158,600	29	456	1.58
Thornton.....	355	97	186	5,963	470,500	86	456	1.27
Thorold.....	8,552	2,529	15,019	148,788	11,308,099	2,269	415	1.32
Tilbury.....	3,021	1,043	1,629	40,011	2,628,080	935	234	1.52
Tillsonburg.....	6,691	2,548	6,525	126,591	9,811,684	2,222	368	1.29
†Timmins (including Schumacher).....	\$32,800	9,868	17,509	620,711	44,016,000	8,528	430	1.41
Toronto (including Leaside) ..	656,565	210,783	638,815	11,853,534	943,197,519	177,672	442	1.26
Toronto Twp.....	65,426	17,556	62,812	1,403,193	121,385,945	16,708	605	1.16
Tottenham.....	746	277	448	16,064	1,471,460	251	489	1.09
Trenton.....	13,147	4,259	15,734	236,125	24,906,514	3,922	529	0.95
Tweed.....	1,822	656	1,506	28,318	3,396,380	582	486	0.83
Uxbridge.....	2,399	921	1,918	50,167	4,915,371	834	491	1.02
Vankleek Hill.....	1,732	557	864	28,856	2,034,143	507	334	1.42
Victoria Harbour.....	1,047	520	497	21,876	1,309,370	481	227	1.67
Walkerton.....	3,968	1,366	3,657	73,166	6,653,156	1,246	445	1.10
Wallaceburg.....	7,898	2,726	9,376	86,399	7,041,195	2,395	245	1.23
Wardsville.....	313	150	224	5,511	426,687	117	304	1.29
Warkworth.....	536	234	390	12,196	958,728	218	366	1.27
Wasaga Beach.....	*480	1,039	347	30,720	1,314,040	833	131	2.34
Waterdown.....	1,874	600	1,252	42,673	3,569,606	508	586	1.20
Waterford.....	2,290	843	1,471	44,470	3,053,169	796	320	1.46
Waterloo.....	22,244	6,978	20,982	442,749	43,754,880	6,336	575	1.01
Watford.....	1,257	528	1,472	27,825	2,367,081	471	419	1.18
Waubushene.....	\$1,425	453	379	15,962	961,371	425	189	1.66

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Excluding summer population.

§Estimated.

AND CONSUMPTION

December 31, 1962

COMMERCIAL SERVICE (including flat-rate water heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Avg. Cost per Kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
834,701	50,671,226	2,157	1,958	1.65	257,403	20,580,700	277	7,488	6,192	1.25
3,760	205,081	19	899	1.83	3,082	177,687	4	109	3,702	1.73
10,215	559,280	32	1,456	1.83	1,271	57,800	3	43	1,606	2.20
24,160	1,501,597	153	818	1.61	5,499	303,435	11	172	2,299	1.81
77,548	5,447,128	144	3,152	1.42	77,734	8,209,450	18	2,097	38,007	0.95
3,678	241,160	18	1,116	1.53	7,874	857,250	6	189	11,906	0.92
12,562	648,469	100	540	1.94	10,231	675,325	10	300	5,628	1.52
18,335	1,064,967	56	1,585	1.72	12,392	955,414	10	351	7,962	1.30
5,660	322,515	29	927	1.76	12,298	1,039,160	9	364	9,622	1.18
22,791	1,965,869	35	4,681	1.16	4,757	678,000	2	117	28,250	0.70
3,920	193,468	18	896	2.03	14,371	1,147,123	5	320	19,119	1.25
10,040	683,697	37	1,540	1.47	20,106	1,032,460	17	724	5,061	1.95
5,531	369,800	28	1,101	1.50	4,308	376,399	7	144	4,481	1.14
21,177	1,072,296	38	1,233	1.97	4,849	305,302	6	108	4,240	1.59
15,545	726,785	78	776	2.14	24,117	1,637,140	19	828	7,180	1.47
1,046	50,740	7	604	2.06	1,341	60,500	2	42	2,521	2.22
1,321	49,900	11	378	2.65						
1,384	55,860	11	423	2.48						
50,663	3,261,970	210	1,294	1.55	458,269	63,936,725	50	12,020	106,561	0.72
26,012	1,619,460	81	1,666	1.61	30,659	1,472,610	27	1,155	4,545	2.08
109,071	7,574,093	271	2,329	1.44	89,382	7,188,055	55	2,673	10,891	1.24
337,744	20,740,500	1,306	1,323	1.63	37,916	2,167,900	34	1,018	5,313	1.75
9,454,179	656,945,746	25,956	2,109	1.44	17,067,901	1,752,305,510	7,155	452,209	20,409	0.97
503,597	36,292,746	647	4,674	1.39	1,556,640	182,925,461	201	36,668	75,840	0.85
4,078	229,515	21	911	1.78	1,971	154,780	5	55	2,580	1.27
97,535	8,109,180	265	2,550	1.20	410,382	58,455,176	72	11,487	67,656	0.70
13,717	1,203,125	59	1,699	1.14	10,470	1,024,132	15	471	5,690	1.02
17,209	1,131,730	62	1,521	1.52	24,416	1,373,016	25	843	4,577	1.78
13,447	869,498	43	1,685	1.55	4,920	161,918	7	214	1,928	3.04
5,149	246,590	37	555	2.09	789	44,400	2	20	1,850	1.78
39,226	2,723,450	99	2,292	1.44	40,085	3,491,913	21	1,267	13,857	1.15
69,098	5,382,049	240	1,869	1.28	278,074	36,375,934	91	8,170	33,311	0.76
6,035	317,843	33	803	1.90						
3,073	187,553	16	977	1.64						
27,167	1,212,660	205	493	2.24	218	5,840	1	8	487	3.72
14,081	771,470	74	869	1.83	4,644	274,705	18	166	1,272	1.69
13,447	779,190	35	1,855	1.73	15,618	778,050	12	513	5,403	2.01
301,571	20,500,954	546	3,129	1.47	315,563	31,481,782	96	8,769	27,328	1.00
13,907	804,778	44	1,524	1.73	32,020	2,700,026	13	944	17,308	1.19
5,236	272,375	25	908	1.92	2,583	97,070	3	62	2,696	2.66

CUSTOMERS, REVENUE,
for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1962	RESIDENTIAL SERVICE (including flat-rate water heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh
	No.	No.	kw	\$	kwh	No.	kwh	¢
Webbwood.....	520	151	212	11,104	458,694	139	\$295	2.42
Welland.....	35,645	10,867	27,988	504,601	33,831,637	10,193	277	1.49
Wellesley.....	673	297	469	16,210	1,194,697	237	420	1.36
Wellington.....	1,015	514	675	23,399	1,908,986	478	333	1.23
West†Ferris Twp.....	5,729	2,060	4,856	149,056	10,696,711	1,915	465	1.39
West Lorne.....	1,099	439	1,121	19,243	1,414,408	392	301	1.36
Weston.....	9,651	3,887	10,394	220,130	20,367,554	3,496	485	1.08
Westport.....	689	306	480	12,784	1,231,740	280	367	1.04
Wheatley.....	1,356	498	863	21,138	1,424,225	406	292	1.48
Whitby.....	13,620	3,942	13,467	250,618	22,792,892	3,578	531	1.10
†White River.....	892	297	620	28,276	1,129,800	231	408	2.50
Warton.....	2,034	811	1,505	47,222	3,910,125	726	449	1.21
Williamsburg.....	340	145	354	5,309	578,592	124	\$436	0.92
Winchester.....	1,400	585	1,383	31,037	2,800,644	527	443	1.11
Windermere.....	*108	122	104	5,653	341,520	111	256	1.66
Windsor.....	113,550	37,400	84,044	1,478,236	133,113,320	34,654	320	1.11
Wingham.....	2,830	1,095	2,616	62,978	6,542,484	970	562	0.96
Woodbridge.....	2,427	789	2,420	56,392	5,320,077	726	611	1.06
Woodstock.....	20,585	7,232	20,451	455,103	41,457,491	6,736	513	1.10
Woodville.....	413	202	305	8,896	590,300	160	\$335	1.51
Wyoming.....	908	351	451	11,833	935,512	316	247	1.26
York Twp.....	124,924	41,202	70,411	2,252,627	217,063,080	39,357	460	1.04
Zurich.....	720	303	493	16,436	1,151,770	246	390	1.43

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Excluding summer population.

§Estimated.

AND CONSUMPTION

December 31, 1962

COMMERCIAL SERVICE (including flat-rate water heaters)					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Avg. Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Avg. Cost per Kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
4,232	139,552	11	\$567	3.03	470	47,000	1	10	3,917	1.00
278,075	18,514,708	568	2,716	1.50	779,636	85,173,114	106	21,547	66,960	0.92
5,923	301,556	53	474	1.96	2,521	112,480	7	81	1,339	2.24
4,218	204,239	22	774	2.07	5,658	227,388	14	185	1,354	2.49
54,228	3,359,125	127	2,204	1.61	54,740	5,902,785	18	1,362	27,328	0.93
9,673	512,518	33	1,294	1.89	31,252	2,352,111	14	837	14,001	1.33
147,010	11,408,182	353	2,693	1.29	166,230	15,275,419	38	4,554	33,499	1.09
6,976	487,500	24	1,693	1.43	382	6,820	2	30	284	5.60
19,026	932,667	77	1,009	2.04	17,974	830,390	15	506	4,613	2.16
97,023	6,889,798	321	1,789	1.41	264,830	32,400,909	43	7,755	62,792	0.82
22,078	960,900	65	1,232	2.30	6,923	516,200	1	86	43,017	1.34
20,903	1,326,649	69	1,602	1.58	11,624	775,799	16	374	4,041	1.50
4,150	275,038	20	\$688	1.51	259	17,160	1	6	1,430	1.51
13,340	1,095,902	46	1,985	1.22	18,083	2,082,905	12	481	14,465	0.87
2,764	156,200	11	1,183	1.77						
906,511	70,636,710	1,980	2,973	1.28	1,887,980	183,273,684	766	61,461	19,938	1.03
28,691	2,049,309	91	1,877	1.40	38,625	2,880,246	34	1,352	7,059	1.34
16,685	1,152,759	49	1,960	1.45	40,111	3,573,605	14	1,161	21,271	1.12
153,879	11,163,446	361	2,577	1.38	402,092	44,581,100	135	12,149	27,519	0.90
4,136	174,507	39	373	2.37	832	26,740	3	27	743	3.11
5,000	339,005	28	1,009	1.48	8,879	423,330	7	312	5,040	2.10
646,814	50,144,583	1,352	3,091	1.29	790,967	79,565,125	493	24,711	13,449	0.99
9,541	395,086	52	633	2.42	2,094	138,860	5	49	2,314	1.51

NOTE

For certain municipalities the figures under the heading "Monthly Consumption per Customer" have been estimated to allow for the transfer of small commercial customers to residential service and/or certain power service customers to commercial service, or to allow for adjustment in billing cycles.

LIST OF ABBREVIATIONS

A.M.E.U.—Association of Municipal Electrical Utilities	kwh —kilowatt-hour(s)
bhp —brake horsepower	M.E.U. —Municipal Electrical Utilities
cfs —cubic feet per second	min —minimum
C.L.C. —Canadian Labour Congress	—minute (20-min)
ehv —extra-high-voltage	mw —megawatt
G.S. —Generating Station	O.M.E.A.—Ontario Municipal Electric Association
hp —horsepower	rpm —revolutions per minute
Jct. —Junction	S.S. —Switching Station
kv —kilovolt(s)	T.S. —Transformer Station
kva —kilovolt-ampere(s)	Twp. —Township
kvar —kilovar(s)	psig —pounds per square inch gauge
kw —kilowatt(s)	

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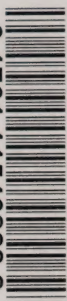
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